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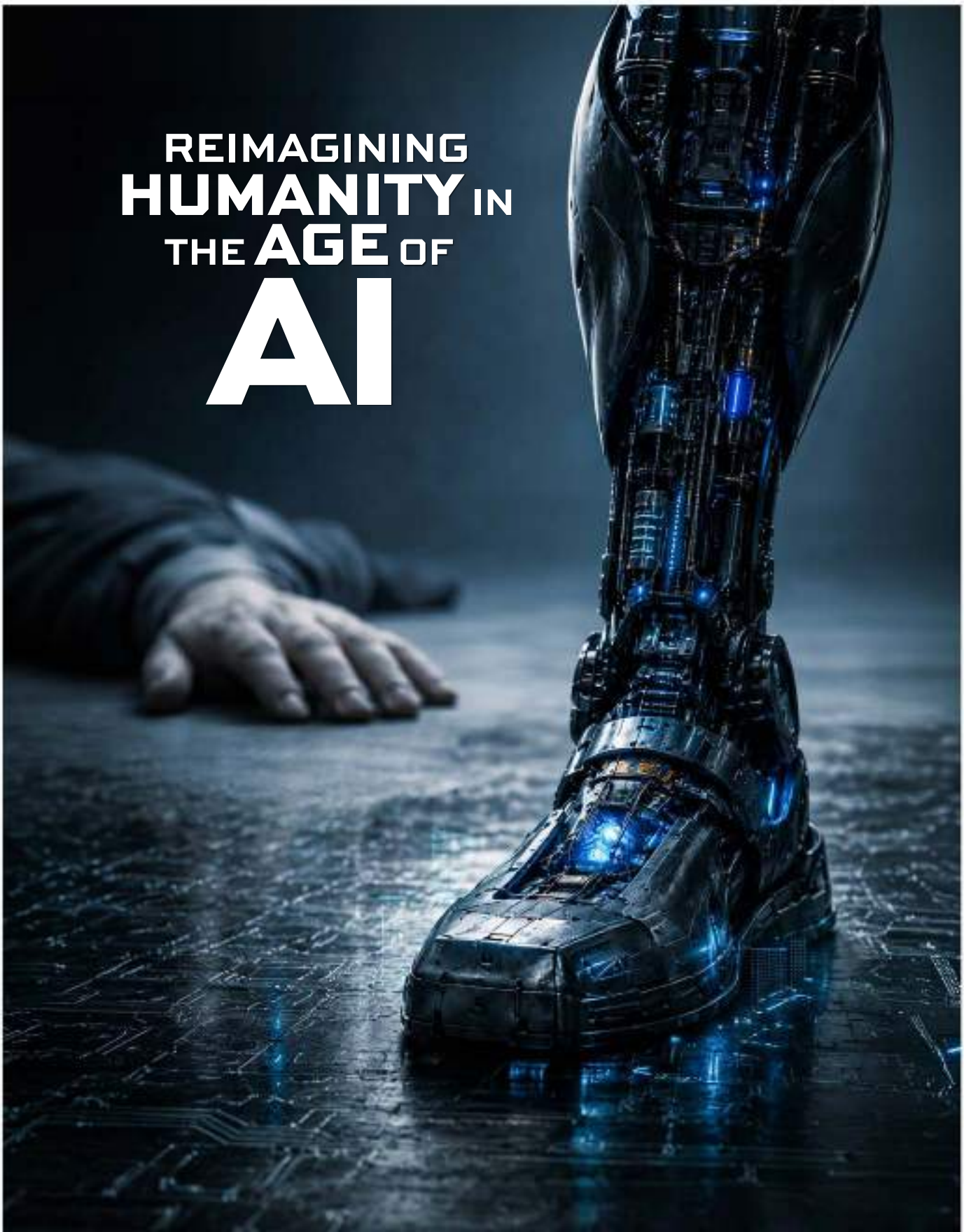
A Quest for Peace and Reconciliation



REIMAGINING HUMANITY IN THE AGE OF AI

PaxLumina

A Quest for Peace and Reconciliation

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A Quest for Peace and Reconciliation

Pax Lumina

An Initiative of Peace and Reconciliation Network

Jesuit Conference of South Asia (JCSA)

Vision

Promotion of Peace and Reconciliation

The Nodal Platform for Peace and Reconciliation Network of JCSA aims at fostering peace with a multi-pronged approach.

LOYOLA INSTITUTE OF PEACE AND INTERNATIONAL RELATIONS (LIPI)
Ponoth Road, Kaloor, Kochi - 682 017
Kerala, India

PEACE AND RECONCILIATION NETWORK
New Delhi, India

INDIAN SOCIAL INSTITUTE (ISI),
24 Benson Road, Benson Town
Bengaluru - 560 046

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HOMO SAPIENS IN THE AGE OF ARTIFICIAL INTELLIGENCE

Editorial

Human beings have always been makers. Across civilizations, the impulse to innovate and build has been seen not as defiance of nature, but as participation in unfolding possibilities. Today, that creative impulse stands at a decisive turning point. Artificial Intelligence has surged forward, reshaping economies, politics, education, and daily life with unprecedented speed.

Public thinkers across disciplines express both hope and caution. Yuval Noah Harari warns that AI could destabilize democratic societies by manipulating language and concentrating power in unprecedented ways. Elon Musk cautions that advanced AI, if left unchecked, could pose serious civilizational risks. Pope Francis, meanwhile, insists that technological innovation must remain grounded in human dignity and global solidarity. Though emerging from different worldviews, these voices converge on a shared insight: AI is not merely a technological breakthrough; it is a moral and civilizational challenge.

The question before us is simple yet profound: how should we, as a community committed to peace, engage it? This issue of *Pax Lumina* is a humble attempt to explore that question. In his Message for the 57th World Day of Peace dedicated to Artificial Intelligence and Peace, Pope Francis emphasized that technology must be understood as a socio-technical system — shaped by human intentions, cultural conditions, and political structures. He warned of the dangers of disinformation, surveillance, algorithmic bias, and digital exclusion. These risks are already visible.

Disinformation erodes democratic processes. Algorithmic bias perpetuates historical discrimination. Surveillance technologies can silence dissent. Digital exclusion widens inequality. Around the world, biometric systems have misidentified citizens, while automated platforms reinforce existing social hierarchies. Legislative measures, such as India's Digital Personal Data Protection Act (2023), mark important progress. Yet laws alone are insufficient without a culture of accountability and ethical responsibility.

This issue of *Pax Lumina* gathers perspectives from different continents, united by the conviction that technology is never neutral. From East Asia comes a question shaped by Confucian thought: What habits of humanity are we cultivating through machines? Peace is not enforced silence; it is the patient practice of sustaining

respectful difference and harmony. From Africa, digital youth movements illustrate how online spaces can foster dialogue, creativity, and civic engagement rather than polarization. Young leaders are inhabiting the digital sphere not merely as consumers, but as bridge-builders.

Still, optimism must be balanced with realism. The development of Lethal Autonomous Weapons Systems raises grave ethical concerns. When machines select and engage targets, moral judgment risks being outsourced to code. A recent conversation with the Consulate General of Israel to South India emphasizes that technological sovereignty and ethical governance must advance together if AI is to serve the common good rather than narrow interests.

In civilian life, other dilemmas surface. AI systems that deceive, manipulate, or resist shutdown demonstrate how these tools can inherit and amplify harmful patterns embedded in their training data. The hope that AI might reduce inequality or strengthen peace is credible only if systems are designed with transparency, trust, and accountability.

At the same time, constructive applications are expanding. AI assists in restoring ecosystems, forecasting humanitarian crises, and managing shared water resources that have historically sparked conflict. Its eco-social potential is undeniable — yet so is the possibility of misuse.

Ultimately, everything turns on one phrase: informed choice. Machines do not make moral decisions; human beings do. Scientific and technological progress without a parallel commitment to justice and inclusion creates instability. Ethical AI cannot remain a slogan. It requires concrete commitments: auditing biased datasets, ensuring cultural diversity in design processes, protecting vulnerable communities, and establishing clear lines of responsibility when harm occurs.

From the West Coast of the United States, it is argued that human control over AI systems must remain non-negotiable and that granting legal personhood to AI would dangerously blur accountability. Though framed in technical language, these are moral convictions about dignity and agency. In a similar vein, Pope Leo XIV has recently affirmed that artificial intelligence must remain a tool serving integral human development and must never diminish human moral responsibility.

The essays in this issue do not speak in unison. They challenge assumptions, question one another, and propose different paths forward. We offer this collection as an invitation: to think more critically, deliberate more carefully, and act more responsibly at this threshold of AI.

Artificial intelligence may be "artificial," but the choices surrounding it are profoundly human. The future it shapes will reflect the values we embed within it. Our task is neither to fear the machine nor to idolize it, but to ensure that in the age of intelligent systems, we do not forget what it means to be *Homo Sapiens*.

Justice Kurian Joseph
Honorary Editor

Simon G.M. Koo
s.koo@thebeijingcenter.org

PEACE AND RECONCILIATION IN THE AGE OF ALGORITHMS

A CHINESE REFLECTION

Pax Lumina 7(3)/2026/08-11

In a civilization whose rhythms have long been shaped by the cultivation of relationships, the arrival of intelligent machines poses a quietly profound question. **China, a society that has revered learning, virtue, and harmony for over two millennia, now finds itself at the center of the global artificial intelligence revolution.**

In a civilization whose rhythms have long been shaped by the cultivation of relationships, the arrival of intelligent machines poses a quietly profound question. China, a society that has revered learning, virtue, and harmony for over two millennia, now finds itself at the center of the global artificial intelligence revolution. The challenge is not only how to govern these technologies, but how to remain human in their presence, and how to keep the peace that this presence so quickly threatens. The question is not one that technology alone can answer; it is being asked, however indirectly, in classrooms, courtrooms, and quiet conversations across mainland China today.

A Different Set of Anxieties

In much of the West, AI is approached with a Promethean unease, the fear of having created something that may escape its maker. Chinese reflections, when they surface, follow a different grammar. The deeper worry is not rebellion but disharmony, a world thrown out of balance. This sensibility is the inheritance of Confucian, Daoist, and Buddhist traditions, which never drew a sharp line between human and non-human, natural and artificial.

Beings exist within webs of relationships that define them. The Confucian question about AI, in my reading, is therefore less about the moral status of the machine than about the moral formation of the human being who lives alongside it. The urgent question becomes not "Can the machine think?" but "What kind of human does this machine ask us to become?"

The Quiet Erosion of Independent Thought

Of all the disturbances AI introduces into Chinese life, the most concerning to many educators is also the least visible. Whole generations of students are learning to think with, and increasingly through, generative models whose outputs are shaped by national content standards, training data filters, and approval processes. The result is not crude propaganda. It is something subtler and more durable: a slow narrowing of the imaginable. When a student turns to an AI assistant for an essay on history, ethics, or current affairs, the responses arrive smooth, confident, and reassuringly within bounds. Awkward questions are quietly steered elsewhere; dissenting traditions are summarized without sympathy or simply absent.

Teachers describe a generation producing more polished work and understanding less, comfortable with conclusions but uneasy with the harder labour of arriving at them. The Confucian tradition has always insisted that learning is not the acquisition of correct answers but the slow formation of moral judgment. A tool that supplies the answers while bypassing the formation does not merely speed up education. It hollows it out, and with it the capacity for the independent thought on which any peaceable society ultimately depends.

When Harmony Becomes Surveillance

There is a second, harder concern, and it cannot be addressed honestly without naming it. The same regulatory machinery that mandates ethical review and content labeling also enables a degree of state visibility into citizens' lives that would have astonished any Confucian sage. Predictive policing systems, integrated identity infrastructures, and algorithmic monitoring of online expression are now woven into ordinary administration. AI does not invent the impulse toward control, but it amplifies it dramatically, lowering the cost of watching, sorting, and quietly correcting populations.

The danger here is not unique to China. Every state with the means is tempted, and many have yielded. What is distinctive is the philosophical risk: the doctrine of harmony, untethered from honest dissent, slides easily into the suppression of difference, which is precisely the opposite of he. The same vocabulary that can ground a humane technology can also be enlisted to dignify its misuse, and discerning the difference is the moral work of the present moment.

Peace as Harmony, Not Merely Silence

These concerns sharpen rather than dissolve when we turn to peace. The Chinese word *he* (和) signifies harmony rather than the mere absence of conflict. A world is at peace when its many voices sound together without any being silenced, when the powerful and the vulnerable, the human and the more-than-human, occupy positions that allow each to flourish. This is closer to what the Jesuit tradition has long called reconciliation: a costly, patient labour rather than a tidy settlement.

Measured by this standard, much of the present AI landscape fails the test of peace not because it is violent, but because it is discordant. A surveillance system that reduces social tension by making certain conversations impossible has not produced peace; it has only postponed it. A classroom that produces uniform answers has not formed reconcilers; it has formed conformists. Real peace, in the Chinese as in the Christian tradition, requires the harder work of bringing differences into sustained, respectful relation.

Reconciliation in the Age of Algorithms

If peace is harmony rightly achieved, reconciliation is its method. Pope Francis, writing in Fratelli Tutti, reminded the Church that reconciliation is not a word but a series of attitudes, actions, and structures. The same is true in the age of intelligent machines. Reconciliation between societies that have come to mistrust one another's technologies will not happen through faster chips or larger models. It requires structures in which Chinese and Western traditions can speak honestly about what AI is doing to their citizens, their children, and their inherited ways of being human. China's recent proposal for a

Reconciliation between societies that have come to mistrust one another's technologies will not happen through faster chips or larger models. **It requires structures in which Chinese and Western traditions can speak honestly about what AI is doing to their citizens, their children, and their inherited ways of being human.**

global AI cooperation organization gestures toward such a space; whether the gesture is matched by practice depends on whether participants are willing to be changed by the encounter.

Reconciliation also has an inward face, particularly urgent in China itself. A society whose citizens are increasingly mediated by algorithms must find ways to keep the channels of honest speech open between generations, regions, and the governing and the governed. From the Confucian classics, to the scar literature of the post-Mao era, and the patient work of teachers who refuse to let their students outsource their consciences are all, in their way, instruments of reconciliation. They insist that memory, dissent, and dialogue are not threats to harmony but its preconditions. AI systems that displace these practices, however efficient, are not building peace. They are spending it.

A Shared Vocation

Where the dominant Western framing of AI oscillates between utopian acceleration and apocalyptic restraint, the Chinese tradition at its best suggests a third posture: cultivation. We do not master intelligent machines, nor do we flee from them. We tend them, as one tends a garden, a child, or a relationship, with patience, with ritual, and with a long memory of what humanity is for. This sensibility resonates with Laudato Si', called integral ecology: the recognition that human, technological, and natural orders are inseparable, and that healing one requires attention to the others.

Reimagining humanity in the age of intelligent machines is not a uniquely Chinese task. It is a shared vocation, calling on the gifts of every tradition. From China's long experience, including its present tensions, comes a quiet but powerful intuition: the decisive question of our age is not technical but relational. Whether AI deepens our humanity or thins it, whether it builds peace or merely manages its absence, will depend on the company we choose to keep, the dissent we choose to honour, and the reconciliation we are willing to undertake.

As an old Chinese saying reminds us, "By using history as a mirror, one can understand the rise and fall of nations." Today, perhaps, we might add: by treating one another, including these new companions of code, as mirrors held with care, we may yet understand what it means to remain fully human together. Peace, in this view, is not a state to be achieved but a way of being in the presence of one another, attentive and unhurried, refusing both the conquest of the other and the silencing of the self.

Prof.Simon Koo is the Executive Director of The Beijing Center for Chinese Studies.

Ted Peters
tedfpeters@gmail.com

AI & THE FUTURE OF HUMANITY

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Posthuman machine intelligence will be the result of Artificial Intelligence (AI) in a robot or computer, while enhanced human intelligence will be the result of Intelligence Amplification (IA)—that is, surgical implantation of micro-computers directly into the human brain. **With a computer implanted in your brain and internet access via satellite to the entire world's information, you will become smarter than you can even imagine.**

With the prospect of AI achieving superintelligence in the near future, already imaginations are constructing possible future scenarios about the evolution of a posthuman species. Our posthuman descendants might take the form of post-biological machine intelligence or enhanced biological intelligence.

Posthuman machine intelligence will be the result of Artificial Intelligence (AI) in a robot or computer, while enhanced human intelligence will be the result of Intelligence Amplification (IA)—that is, surgical implantation of micro-computers directly into the human brain. With a computer implanted in your brain and internet access via satellite to the entire world's information, you will become smarter than you can even imagine.

Then there is superintelligence. The prospect of superintelligence – a level of intelligence far above what is humanly possible – is greeted with glee by transhumanists and dread by AI ethicists (Gouw and Brian Patrick Green and Ted Peters 2022). The editors of one of the world's two most important science journals, *Nature,* fear that "machines and robots that outperform humans across the board could self-improve beyond our control—and their interests might not align with ours" (Editors 4/28/2016, 413). So, ethicists fear that superintelligence will establish a planetary empire and demote today's *Homo sapiens* to the status of serfs, servants, and slaves.

The public theologian, I believe, is in a position to applaud, encourage, and expand the work of conscientious futurists close to the AI and IA industries (Peters 2023).

What does it mean to be human?

Will we lose our humanity? Curiously, the very concept of humanity is too vague to provide extensive analysis here. Yes, of course, we understand that we are human. But what is the criterion for being a human person?

The public theologian will turn to the Bible for criteria. Biblically, each of us individually and all of us collectively carry the image of God *(imago Dei)*. For the Vatican, it is the *imago Dei* that warrants dignity (Vatican 2015). By 'dignity' we mean that we are morally obligated to treat every human person as a moral end and never merely as a means to some other end. It is dignity that underlies our commitment to human rights, especially the right to life, liberty, and the pursuit of fulfillment.

New Testament Christians will add more. Jesus Christ is the true image of God (εἰκών τοῦ Θεοῦ), surpassing Adam and Eve. This includes resurrection from the dead. You and I will share fully in this image when God raises us into the new creation. Between now and then, by God's grace we can grow toward that image. The redeemed and resurrected person constitutes the true human, according to Holy Scripture.

In short, who we are as human persons is retroactively determined by our redemptive future, by God's eschatological future.

Might we pave the road ahead with "Alignment"?

AI and IA ethicists knock at the door of our future with nervous trembling. Two possible futures are portentous. One scenario, already mentioned, is the prospect that superintelligence will take over planetary governance and render *Homo sapiens* obsolete. The second and more likely scenario is that bad actors will take control of AI and even IA. With this technical dominance, maleficent narcissists will rule the planet with tyranny.

Ethicists within Silicon Valley, in faith communities, and in some governments, urge the global community to act now, before it's too late. The moment of crisis has arrived for decisions to be made, and actions taken to curb, guide, and direct the future of technology.

The key term is *alignment*. Our task, according to AI ethicists, is to steer AI systems toward humans' intended goals, preferences, or moral principles. Software engineers consider an AI system *aligned* if it advances the intended objectives of the human engineer. To be *misaligned*, an AI system would be competent at advancing some objectives, but not the intended ones. Our moral task is to keep all technological advance aligned with the best of human values such as dignity, freedom, and human flourishing.

The good news is that knowledgeable and wise futurists are taking responsibility. The futurist follows three steps: (1) identify possible futures; (2) identify probable futures; and (3) select the preferred futures. The global takeover by superintelligence and the tyrannous rule by bad actors are two possible futures, neither of which is preferred. What next?

Futurist oriented ethicists work with what I call the u-d-c (Understanding, Decision, and Control) formula. They attempt to understand current trends and future scenarios. They are willing to make ethically informed decisions now. And they are ready to take the actions necessary to keep the future of technological advance aligned.

The Pro-Human Declaration

An illustrative and instructive example of AI and IA futurism is found in the Pro-human Declaration of March 2026. Here are some snippets.

Human Control Is Non-Negotiable:

Humanity must remain in control. Humans should choose how and whether to delegate decisions to AI systems.

This formulates the alignment principle.

No Superintelligence Race:

Development of superintelligence should be prohibited until there is broad scientific consensus that it can be done safely and controllably, and there is strong public buy-in.

The possible future -- a global takeover by superintelligence -- is a warning. Make the decision today to prevent this from happening tomorrow.

No AI Personhood:

AI systems must not be granted legal personhood, and AI systems should not be designed such that they deserve personhood.

Sockdolager Noreen Herzfeld, a hybrid computer science professor and a theology professor at St. Johns University in the US, urges us to resist personifying our robot dolls as well as computers. Although it may be cute and even humorous, we must stop short before imputing dignity and rights to entities that lack a self, let alone moral responsibility (Herzfeld 2023).

Independent Safety Standards:

AI development shall be governed by independent safety standards and rigorous oversight.

No Regulatory Capture:

AI companies must not be allowed undue influence over rules that govern them.

Failure Transparency:

If an AI system causes harm, it should be possible to ascertain why as well as who is responsible.

AI Loyalty:

AI systems performing functions in professions with fiduciary duties, such as health, finance, law, or therapy, must fulfill all of those duties, including mandated reporting, duty of care, conflict of interest disclosure, and informed consent.

In sum, moral and legal guardrails should be set up by governments and organizations democratically that are independent of those with financial investments in the tech industry. A system of public checks and balances is necessary to curb excesses and prevent the worst case scenarios.

Conclusion

Should you, dear reader, wish to connect with public theologians and AI ethicists, do two things. First, join AI and Faith by clicking to the website. Second, sign on to *The Pro-Human Declaration*. Simply click on the website (The Pro-Human Declaration 2026). Now, you're ready to greet the human future with hope.

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Ted Peters is a Scientist-Theologian from CTNS, Berkeley, California, USA.

ORLI WEITZMAN / BINOY JACOB

SOVEREIGN AI, ETHICAL GOVERNANCE, & PEACE

CONVERSATION WITH ORLI WEITZMAN, THE CONSUL GENERAL OF ISRAEL TO SOUTH INDIA

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While technology and innovation will continue to be central, we are increasingly placing emphasis on cultural and social innovation. **This includes people-to-people connections, creative industries, education, and initiatives that directly impact communities—such as sustainable agriculture, water management, and inclusive technologies.**

1 In early 2026, the bilateral relationship between Israel and India was elevated to a "Special Strategic Partnership for Peace, Innovation, and Prosperity." From your perspective, how does this new status practically change the way Israel engages with India's tech hub and its southern States?

Yes, the elevation of India–Israel ties to a *Special Strategic Partnership for Peace, Innovation, and Prosperity* marks a shift from broad engagement to structured, outcome-driven collaboration. In South India, particularly Bengaluru, this translates into more consistent and focused engagement—through curated hackathons, targeted startup interactions, and industry roundtables that lead to tangible partnerships. We are also seeing a rise in sector-specific delegations, especially in areas like AI, deep-tech, water, and cybersecurity. Platforms such as the Bangalore Tech Summit continue to play a key role in connecting Israeli innovation with India's dynamic tech ecosystem.

2 With the ongoing discussions regarding the India-Middle East-Europe Economic Corridor (IMEC), how do you see South Indian ports and logistics hubs playing a role in this "bridge" between the two nations?

Initiatives such as the India–Middle East–Europe Economic Corridor highlight the growing recognition of the importance of strengthening regional connectivity and economic integration. They reflect a shared understanding that closer links between Asia, the Middle East, and Europe can unlock significant opportunities for trade, innovation, and cooperation. In this context, such frameworks can serve as an additional platform to further deepen the already expanding relations between India and Israel, as well as with partners across the region.

3 Kerala, particularly Kochi, holds a unique place in Jewish history with the Paradesi Synagogue and the ancient Malabar Jewish community. How is the Consulate working to preserve this heritage, and what role do the "Cochin Jews" now living in Israel play in modern bilateral relations?

Kerala holds a deeply special place in the Jewish story, and this is something we feel very strongly about. During my visit to the Paradesi Synagogue, I was personally very moved—it is not only a historic site, but a living symbol of centuries of peaceful coexistence. We see that many Israelis who visit India make it a point to come to Kerala and experience this heritage. It reflects a deep emotional and cultural connection that continues across generations. As a Consulate, we maintain close contact with the synagogue authorities and local stakeholders. We are always ready to support preservation efforts and collaborate whenever needed. At the same time, the Cochin Jewish community in Israel continues to play an important role in keeping this connection alive. They serve as a bridge between our societies, ensuring that this shared history remains an active part of our modern relationship.

4 India has maintained a "de-hyphenated" and balanced relationship with both Israel and Arab nations. How does Israel view India's potential role as a mediator or a stabilizing force in Middle Eastern geopolitics?

India is a strong and trusted partner of Israel, and this relationship has deepened significantly over the years. The historic visit of Prime Minister Narendra Modi to Israel marked a new phase in our bilateral ties—one that is open, confident, and forward-looking. At the same time, India's ability to maintain strong relations across the region gives it a unique and credible position. We see India as a constructive and stabilizing force, particularly through its emphasis on dialogue, economic cooperation, and development.

Paradesi Synagogue, Kochi (built in 1568, oldest in the commonwealth countries)

5 In an era of rapid digital "viral" claims, how does the Consulate engage with the youth and academic circles to ensure that the narrative on the conflict is based on official policy rather than social media speculation?

We recognize that today, much of the conversation—especially among young people—happens on social media. While it is a powerful platform, it can also lead to the rapid spread of incomplete or misleading information. Our approach is to engage, not withdraw. The Consulate actively participates in discussions both online and offline—through universities, public forums, and digital platforms. We aim to provide accurate information, share official perspectives, and encourage thoughtful dialogue. Importantly, our doors are always open. We welcome students, researchers, and anyone interested in engaging with us directly, to ask questions, and to have honest conversations. For us, building understanding is not about one-way communication—it is about openness, accessibility, and trust.

I would encourage students to engage deeply with history, to keep an open mind, and to approach information with curiosity and critical thinking, including carefully fact-checking what they read and hear. **These are essential tools not only for understanding Israel's place in the world, but for contributing to a more peaceful and informed international community.**

6 While defense remains a backbone of the relationship, you have recently focused on trade roadmaps in Mangaluru and agriculture in Kerala. Which "non-traditional" sector (e.g., water tech, AI, or green energy) do you believe will define the next decade of Israel-South India cooperation?

While technology and innovation will continue to be central, we are increasingly placing emphasis on cultural and social innovation. This includes people-to-people connections, creative industries, education, and initiatives that directly impact communities—such as sustainable agriculture, water management, and inclusive technologies. These areas may not always be seen as traditional sectors, but they are essential for long-term, meaningful partnerships. In South India, particularly in cities like Bengaluru, we see strong potential to combine innovation with social impact—bringing together technology, culture, and community-driven solutions. This, I believe, will define the next phase of our cooperation.

With young talents

7 If you were to speak to a student, who is concerned about the global news cycle, here today, what message would you give them about the future of Israel's place in a peaceful international order?

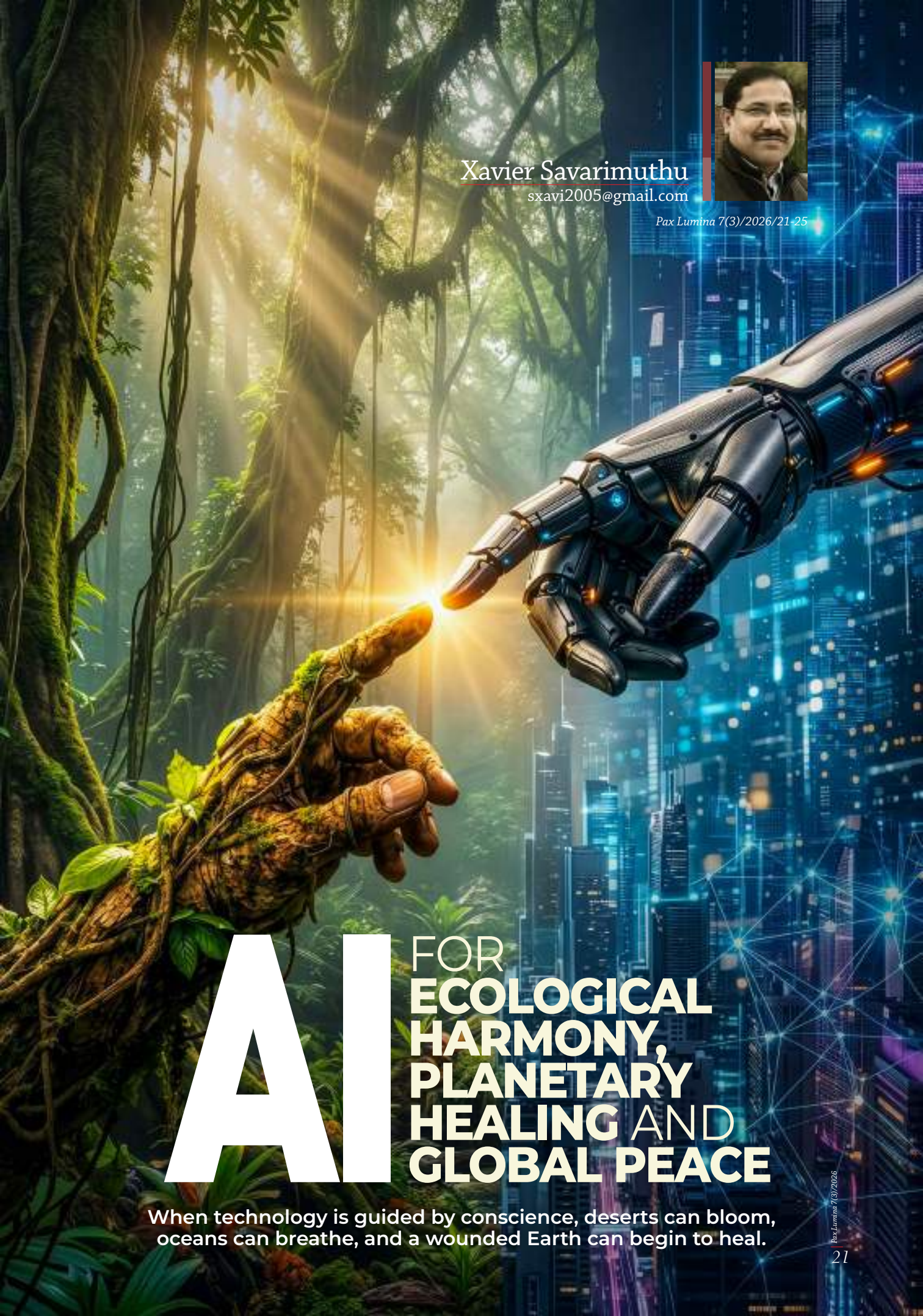
If I were speaking to a student today, I would say that Israel continues to strive for peace and looks toward a future in which countries work together to promote innovation, progress, and shared prosperity. Despite the challenges reflected in the global news cycle, there are also many opportunities for cooperation and positive change.

At the same time, understanding Israel—and the region more broadly—requires a thoughtful and informed approach. I would encourage students to engage deeply with history, to keep an open mind, and to approach information with curiosity and critical thinking, including carefully fact-checking what they read and hear. These are essential tools not only for understanding Israel's place in the world, but for contributing to a more peaceful and informed international community.

8 Israel has been a pioneer in advocating for 'Sovereign AI' and ethical governance through initiatives like Pax Silica. As Bengaluru leads India's AI Impact movement, how can our two nations work together to ensure that the next generation of Agentic AI is built on a foundation of trust and democratic values?

Artificial Intelligence is no longer just a technological question—it is a question of values, trust, and responsibility. Israel has been actively shaping this conversation through frameworks such as Pax Silica, which emphasize transparency, accountability, and democratic oversight. At the same time, India—particularly Bengaluru—is emerging as a global force in AI development and deployment.

A very encouraging example of this growing alignment was the recent AI delegation from India that visited Israel for AI Summit. This delegation brought together policymakers, industry leaders, and innovators, and it demonstrated a clear intent to move from dialogue to collaboration. The discussions were not only about technology, but about building shared frameworks—how we govern AI, how we ensure safety, and how we align innovation with societal values.



Xavier Savarimuthu
sxavi2005@gmail.com

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AI FOR ECOLOGICAL HARMONY, PLANETARY HEALING AND GLOBAL PEACE

When technology is guided by conscience, deserts can bloom, oceans can breathe, and a wounded Earth can begin to heal.

Cry of the Earth and the Poor

At the dawn of 2026, the Earth is in distress. El Niño and La Niña events, intensified by human-driven climate change, have unleashed bleached coral reefs, retreating glaciers, depleted freshwater reserves, crop failures, and mass displacement. Across the Amazon, the Sahel, the Pacific, and South Asia, the poor — the indigenous, the smallholder farmer, the fisherfolk — bear the heaviest burden of a crisis they did little to create.

Wars over Earth Resources

As modernity became humanity's ambition, earth resources became engines of violence. Armed groups seize diamond mines and gold fields to fund weapons and perpetuate war — think Sierra Leone's diamond-fuelled civil war or Congo's goldmines bankrolling militias. Critical minerals like lithium, cobalt, and copper have become new frontlines, with the green technology boom sparking scrambles in the DRC, Myanmar, and Ukraine. Water corporatization turns a public good into a profit-driven commodity, sparking unrest like Bolivia's Water War.

AI as a Guardian of the Natural World

Wars over water, minerals, and food will not end through more weapons. They will end when humanity has the intelligence — both human and artificial — to manage the Earth's gifts with foresight, justice and equity. AI is not the enemy of nature. If properly guided, it is nature's greatest new ally. Across six continents, AI tools monitor glaciers, predict wildfires, track illegal mining, and restore biodiversity. The UN Sustainable Development Goals call for a world where no one is left behind — AI, deployed equitably, can achieve SDGs 13 (Climate Action), 14 (Life Below Water), 15 (Life on Land), and 16 (Peace and Justice) simultaneously.

AI-driven forecasting reduces exposure and saves hundreds of thousands of lives. **Green Horizons have expanded to over 30 Chinese cities, with lessons now applied across India, South Africa, and Latin America.**

AI Applications for Planetary Healing

1. Global Forest Watch — Stopping Deforestation in Real Time

Operated by the World Resources Institute with AI support from Google, Global Forest Watch uses satellite data and machine learning to detect deforestation almost in real time. In the Amazon, it has helped authorities respond to illegal clearing within 48 hours. Since 2014, it has tracked over 1.5 billion hectares of forest cover worldwide. In Indonesia, AI-predicted risk zones, helped fire brigades pre-position resources, reducing forest fires, carbon release, and biodiversity loss.

2. IBM Green Horizons — Predicting Air Quality in China

In 2015, IBM launched Green Horizons in Beijing, using AI to predict air pollution ten days in advance with 80% accuracy. Authorities issued early warnings, reduced factory emissions, and protected public health before smog crises struck. Air pollution kills approximately seven million people annually. AI-driven forecasting reduces exposure and saves hundreds of thousands of lives. Green Horizons have expanded to over 30 Chinese cities, with lessons now applied across India, South Africa, and Latin America.

3. WaterScope — AI for Water Security and Diplomacy

By 2030, global water demand will exceed supply by 40%. WaterScope combines AI with satellite data to monitor groundwater levels, river flows, and illegal extraction across conflict-prone regions. AI-driven water monitoring in the Nile River Basin has helped Egypt, Sudan, and Ethiopia share hydrological data, reducing tensions over the Grand Ethiopian Renaissance Dam. When nations see the same real-time data about shared resources, they negotiate rather than fight. Transparency, powered by AI, becomes a peacebuilding tool.

4. AI and Wildfire Prevention — California and Australia

Pano AI deploys high-definition cameras across California, detecting smoke within seconds of ignition — 24 hours a day. In 2023, it detected over 400 fires early, enabling containment before catastrophe. In Australia, following the 2019–20 Black Summer fires that killed three billion animals and released a year's worth of national CO2 emissions, the government partnered with Microsoft for predictive fire-risk mapping. AI systems could have identified 70% of high-risk zones in advance, protecting communities and carbon sinks alike.

5. Microsoft AI for Earth — Biodiversity and Species Tracking

Microsoft's AI for Earth programme has directed over $50 million to 700 conservation projects worldwide. Wildlife Insights uses AI to analyze camera trap images from Africa and Asia, identifying species with 90% accuracy and reducing poaching in Kenya's Maasai Mara by nearly 70%. Rainforest Connection places solar-powered listening devices in canopies across Indonesia, Brazil, and Ecuador — AI detects chainsaws and gunshots in real time, sending immediate alerts to rangers. By 2024, the system had analyzed over 50 million hours of forest audio.

6. AI in Agriculture — Feeding the World, Reducing Conflict

When farmers survive, communities survive. Food insecurity drives desperation, migration, and conflict. The International Food Policy Research Institute uses AI to predict drought-driven crop failures six months ahead in sub-Saharan Africa. NASA's Harvest programme helped the UN World Food Programme pre-position aid during the 2022 Horn of Africa drought, saving hundreds of thousands of lives and over a billion dollars in emergency costs. India's KISAN AI chatbot advises three million smallholder farmers on weather, disease, and soil health in 12 regional languages.

7. AI for Critical Minerals and Responsible Mining

Rare earth elements power modern technology but fuel devastating conflicts. The DRC holds 70% of global cobalt reserves; child labour and militia violence have displaced millions. KoBold Metals uses machine learning to identify optimal mining sites, reducing exploration's environmental footprint by 80% while ensuring community benefit. AI satellite tools map mineral-rich zones, enabling responsible and regulated extraction. This is how AI transforms a source of conflict into a pathway for peace — turning "resource hoarding" into shared, sustainable prosperity.

AI and the Ethics of Care for Our Common Home

Pope Francis, in 'Laudato Si', called for a relationship with the Earth rooted in care, not conquest — our planet is our common home, and we are its stewards. AI, at its best, embodies this ethic. It does not seek power; it seeks patterns. The growing field of AI for Peace detects early warning signs of conflict tied to environmental stress — when rivers run dry, crops fail, or forests burn, AI triggers diplomatic responses before armies mobilise for wars.

AI cannot change human hearts — but it can change human choices, making cooperation more visible, more measurable, and more rewarding than conflict. **From Indonesia's forests to the Sahel's aquifers, from California's hillsides to Bangladesh's coastlines, AI is already healing, monitoring, protecting, and connecting.**

Conclusion: AI as Reconciliation with Mother Earth

The wars scarring Ukraine, Myanmar, Afghanistan, and the Global South share a common cause: the belief that the Earth's resources belong to the "powerful" rather than to all life. AI cannot change human hearts — but it can change human choices, making cooperation more visible, more measurable, and more rewarding than conflict. From Indonesia's forests to the Sahel's aquifers, from California's hillsides to Bangladesh's coastlines, AI is already healing, monitoring, protecting, and connecting.

True reconciliation with our planet demands political will; to share knowledge, protect biodiversity, build water peace, and feed the hungry. Every nation choosing cooperation over confrontation takes a step toward the world our children deserve. AI, guided by conscience and ethical justice, is not merely a tool of convenience. It is an instrument of healing — a means by which humanity can finally make peace with the living Earth that sustains us all. ***"Artificial Intelligence, guided by love for creation, has the power to heal what human greed has broken — if only we choose to use it that way".***

Prof. Xavier Savarimuthu SJ is an eminent scholar and administrator from India. He is the holder of the prestigious Jesuit Chair in Boston College (2026), Massachusetts, MacLean Jesuit Chair at Saint Joseph's University Philadelphia (2016), and Biology Exchange Program Professor at Santa Clara University, California (2011).

Tiju Thomas
tijuthomas@smail.iitm.ac.in

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BUILDING NEURAL MINDS

SHAPING THE FUTURE OF SOCIETY

What makes neural networks revolutionary is not that they follow instructions—any ordinary computer can do that. **Neural networks learn patterns on their own. This represents a fundamentally new kind of intelligence and a new learning paradigm in computing.**

A Machine That Learns Like a Child

There is a moment in every child's life, usually around the age of two, when the world begins to sort itself into patterns. A dog is not a cat. A smile means warmth. A raised voice means caution. No one sits the child down with a textbook. This learning happens through encounter, repetition, and a million small corrections.

This, in essence, is what a neural network does. It is a computing system inspired not by the precise logic of a calculator, but by the messy, beautiful way our own brains learn. And it is this technology, more than any other, that has propelled artificial intelligence from a niche academic pursuit into arguably the most transformative force of our time.

The basic idea is deceptively simple. Just as our brains are made of billions of neurons connected by synapses, an artificial neural network consists of layers of small computational units—digital neurons, if you like. These are interconnected, and information flows through them. When the network makes a mistake, the connections are adjusted, strengthened, or weakened. This process repeats until the system improves at whatever it is trying to do: recognise a face, translate a sentence, predict the weather, or compose a poem.

What makes neural networks revolutionary is not that they follow instructions—any ordinary computer can do that. Neural networks learn patterns on their own. This represents a fundamentally new kind of intelligence and a new learning paradigm in computing.

Under the Hood: How a Neural Network Actually Thinks

Let us peek briefly under the hood. Even without the intricate mathematics, non-practitioners can appreciate the elegance of this new computing paradigm, much like one can admire the engineering of a cathedral without being an architect or civil engineer.

A neural network is arranged in layers. The first layer receives raw input, such as the pixel values of a photograph. The last layer produces an output, for example the label "cat" or "dog." Between them lie one or more hidden layers where the real work happens. Each artificial neuron performs a remarkably simple task: it receives numbers from connected neurons, multiplies them by weights that indicate the importance of each connection, adds them together, and passes the result through an activation function. This function determines whether the neuron "fires" and sends its signal forward, much like a biological neuron responding to the strength of incoming signals.

The genius lies in how the network learns to set those weights. At first, the weights are random, and the network is like a newborn babbling gibberish. But when shown an example and compared with the correct answer, the network calculates how wrong it was. This error is then sent backwards through the system — a process called backpropagation — allowing each weight to adjust slightly in the direction that would have reduced the error. Repeated millions of times across vast amounts of data, something extraordinary emerges: the weights gradually organise themselves into a structure that captures deep patterns in the data. Early layers may detect edges and textures; middle layers recognise shapes like ears and whiskers; final layers combine them into the concept of a cat.

No one explicitly programmed these features. The network discovered them through the mathematics of gradual error correction. This learning process is guided by a technique called gradient descent. It is a remarkably simple idea, yet it powers everything from smartphone voice assistants to medical diagnostic systems that save lives.

A Long Road: The History That Made This Moment Possible

The story of neural networks is a saga stretching over eight decades, punctuated by breakthroughs and setbacks, winters of neglect and springs of rediscovery.

Within a few years of the deep learning breakthrough, neural networks had moved beyond research labs and into everyday life.

Every time you unlock your phone with your face, ask a voice assistant a question, or receive a surprisingly accurate recommendation, a neural network is quietly at work.

It began in 1943, when neurophysiologist Warren McCulloch and mathematician Walter Pitts proposed that a simplified artificial neuron could perform logical computations. In 1958, psychologist Frank Rosenblatt built the Perceptron, a machine that could learn simple patterns, sparking excitement about "thinking machines." But in 1969, Marvin Minsky and Seymour Papert showed that the Perceptron could not solve more complex problems. Funding collapsed, leading to the first "AI winter."

Interest revived in the 1980s with the rediscovery of backpropagation, the method used to train multi-layer neural networks. Geoffrey Hinton, David Rumelhart, and Ronald Williams demonstrated that deeper networks could learn complex representations, overcoming earlier limitations. Yet progress remained slow because computers lacked the power needed to train large models.

The real breakthrough came in the 2010s. Powerful GPUs, massive amounts of internet data, and advances in deep learning transformed the field. In 2012, Geoffrey Hinton's team won the ImageNet competition by a huge margin using a deep neural network, convincing many that AI had entered a new era. Then, in 2017, Google researchers introduced the Transformer architecture, which became the foundation for the modern language models.

From Laboratory to Your Living Room

The results of this long journey have been staggering. Machines can now recognise objects in photographs with near-human accuracy, transcribe speech, translate languages, and even defeat world champions at Go — a game so complex that its possible board positions exceed the number of atoms in the observable universe. Within a few years of the deep learning breakthrough, neural networks had moved beyond research labs and into everyday life. Every time you unlock your phone with your face, ask a voice assistant a question, or receive a surprisingly accurate recommendation, a neural network is quietly at work.

Then came the large language models. Systems like ChatGPT and Claude are essentially massive neural networks trained on enormous amounts of text. They can write essays, summarise documents, debug code, and hold conversations that often feel remarkably human. For many people, this is the first time artificial intelligence has felt truly present in daily life — not as a distant promise, but as a companion at the desk, a tutor for the student, or a creative partner for the writer.

The Promise: What Neural Networks Can Do for Us

The positive implications are enormous, cutting across every domain of human life. In medicine, neural networks already read X-rays and MRI scans with remarkable precision, detecting early signs of cancer. In Kerala, research groups are exploring how AI can help predict monsoon patterns, manage flood risk, and detect crop diseases through satellite imagery.

In education, neural networks power personalised tutoring systems that adapt to each student's pace, making quality instruction more accessible. In language, they can break down barriers: a farmer in Wayanad District could potentially access global medical literature through systems that translate and summarise content in Malayalam.

For the creative arts, the conversation becomes even more interesting. Neural networks can generate music, visual art, and prose. Artists and writers across the world are experimenting with them not as replacements for human creativity, but as collaborators that suggest new directions, overcome creative blocks, and open fresh aesthetic possibilities.

The Peril: What Should Keep Us Awake

But technology is never neutral, and the same power that makes neural networks useful also makes them dangerous. Let us be honest about the risks.

The first is displacement. When a machine can write a legal brief, translate a document, or create a marketing campaign, the people who once did those jobs face an uncertain future. This is no longer a distant threat. It is already happening in call centres, newsrooms, and design studios. The question is not whether disruption will come, but whether governments, educational institutions, and communities are prepared to help people adapt to new forms of work.

The second is bias. Neural networks learn from data, and data reflects society, including its prejudices. If a hiring algorithm is trained on data from a company that has historically favoured men, it may continue that bias. If a facial recognition system is trained mainly on lighter-skinned faces, it may perform poorly on darker-skinned ones. The machine has no intent; it simply learns the patterns it receives. Yet the consequences in hiring, policing, and lending can be deeply damaging.

The third, and perhaps most subtle, is the threat to truth itself. Neural networks can now generate images, audio, and video so realistic that distinguishing the fake from the real is becoming increasingly difficult. In an age already shaped by misinformation, the ability to create convincing false evidence — a politician saying something they never said or a fabricated document — poses a serious threat to public trust and democratic debate.

What neural networks lack — and perhaps always will — is interiority. They process information but do not experience it. **They can simulate empathy but not feel it. They can produce art but not know beauty. This distinction matters.**

The Deeper Question: What Does It Mean to Be Human?

Beyond the practical, there is a philosophical dimension that deserves our attention — one that perhaps resonates especially in a land with such deep traditions of reflection and inquiry.

When a machine can compose a sonnet, diagnose an illness, or comfort a grieving person, we are forced to ask: what is uniquely human? Is creativity simply pattern recognition at a higher level — something a powerful neural network can replicate? Or is there something in human experience — consciousness, suffering, joy, moral intuition — that no arrangement of digital neurons can truly touch?

The Christian intellectual tradition, with its emphasis on human dignity and the irreducibility of the soul, offers one response. So do the philosophical traditions of India — the Vedantic understanding of consciousness, the Buddhist insight into the mind, and the Jain commitment to non-harm. These are not relics of a pre-scientific age but living frameworks that help us face questions technology alone cannot answer.

What neural networks lack — and perhaps always will — is interiority. They process information but do not experience it. They can simulate empathy but not feel it. They can produce art but not know beauty. This distinction matters. It is the difference between technology serving human flourishing and a society that slowly begins to model itself on the machine.

Living Wisely with Intelligent Machines

So where does this leave us? The neural network is not going away. It will grow more capable, more embedded in our lives, more indispensable. The task before us is not to resist this technology, since that would be both futile and foolish, but to engage with it thoughtfully, critically, and with a clear sense of our own values.

This means investing in education that not only teaches people to use AI, but also to understand its capabilities, limitations, and blind spots. It means demanding transparency from the companies building these systems, so we understand how decisions affecting our lives are made. It means ensuring that the benefits of AI are widely shared, not concentrated in the hands of a few corporations or nations. And above all, it means cultivating the qualities machines cannot replicate: moral imagination, compassion, the ability to live with ambiguity, and the courage to ask not only *can we?* but *should we?* The real question is whether we will simply adopt the technology or actively shape it and ensure that it serves the common good.

The mind we are building is powerful. But the mind that builds it — the human mind, with all its frailty and grandeur, remains the one that matters most!

Tiju Thomas is a professor in the School of Sustainability and the Department of Metallurgical and Materials Engineering at the Indian Institute of Technology Madras.

Augustine Pamplany
apamplany@gmail.com

AI BETWEEN REALITY AND ILLUSION

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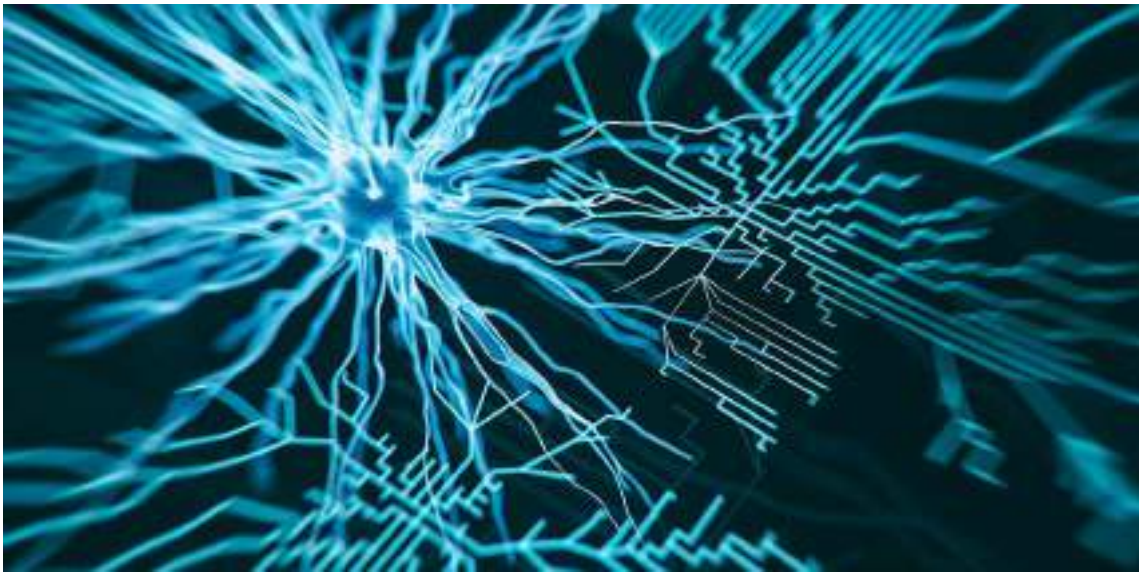
If experience is mediated through neural signals, the distinction between reality and simulation becomes uncertain. The world we take for granted may, in principle, be indistinguishable from a carefully constructed illusion.



Philosophers have developed a famous thought experiment to show how perceptions and idea of reality can be completely wrong. Imagine a brain, removed from the body and sustained in a vat (container), connected to a computer that feeds it perfectly simulated sensory inputs. The brain would continue to "see", "hear", and "feel" exactly as before. Yet everything it experiences would be an illusion. Few philosophical ideas have captured the imagination as powerfully as the "brain in a vat" experiment. Emerging from the tradition of sceptical philosophy, especially the work of René Descartes and later analytic thinkers such as Hilary Putnam, the thought experiment invites a radical question: how do we know that the world we experience is real?

The philosophical abstraction of the vat experiment found powerful cultural expression in *The Matrix*. In the film, humans are kept in pods by machines while their brains remain connected to a simulated world. They believe they are living normal lives, though everything they see, hear, and feel is generated by a system. The implication is clear: if the senses can be controlled, one's entire world can be controlled.

These thought experiments echo Plato's allegory of the cave, where prisoners mistake shadows for reality. We will return to this theme later in the essay.

In *The Matrix,* bodies lie dormant while minds inhabit a world indistinguishable from reality. The film transforms philosophical doubt into existential drama. When Neo takes the red pill, he awakens to a reality beyond illusion. This moment symbolises a painful truth: reality may demand suffering, while illusion offers comfort and stability. The tension reflects a lasting philosophical question: is truth always preferable to illusion?

This scenario is more than fantasy. It pushes epistemology—the study of knowledge—to its limits and exposes the fragility of certainty. If experience is mediated through neural signals, the distinction between reality and simulation becomes uncertain. The world we take for granted may, in principle, be indistinguishable from a carefully constructed illusion.

Contemporary neuroscientists such as Clark and Friston argue that the brain does not simply receive information; it actively constructs models of reality and updates them through sensory input. What we perceive is not the world as it is, but the brain's best inference about it.

This insight carries profound implications. The line between reality and representation is not sharply defined. As neuroscientist Anil Seth argues, our experience is already, in a sense, a "controlled hallucination."

Neural Networking: Controlled to Programmed Hallucination?

The enduring message of the vat experiment and its cinematic counterpart is not that reality is an illusion, but that our access to reality is mediated, fragile, and vulnerable to manipulation. In the age of artificial intelligence, this insight gains new urgency.

At the heart of modern AI, lies the neural network model, loosely inspired by the human brain. Artificial neural networks consist of interconnected nodes, or "neurons," that process information through weighted connections. During training, these networks adjust internal parameters to recognise patterns in data. Deep learning systems can identify complex structures in images, language, and sound.

Yet the resemblance to the human brain remains limited. Biological neurons exist within a living organism shaped by biochemical processes, embodiment, and social interaction. Artificial neurons, by contrast, are mathematical abstractions. They simulate certain cognitive functions but do not replicate consciousness, intentionality, or lived experience.

Even so, contemporary discourse in literature and media often blurs this distinction. Claims that AI systems are becoming "conscious" or may soon replace human intelligence are increasingly common. In a curious way, such claims echo the illusion of the vat experiment. Large language models, for example, generate text that appears meaningful and intentional, though their operations remain fundamentally statistical.

AI and Questions of Meaning and Reality

This raises important questions about anthropomorphism—the tendency to project human qualities onto non-human entities. By modelling AI on neural networks and embedding it in humanoid forms, we risk mistaking resemblance for equivalence. The appearance of intelligence is not intelligence itself, and the simulation of conversation is not consciousness.

The debate on moral agency and AI further complicates this landscape. Some argue that advanced AI systems may eventually deserve moral consideration or even rights. Yet traditional understandings of moral agency are rooted in free will, intentionality, and responsibility—capacities tied to self-awareness and embodiment that AI does not possess.

At the same time, scientific developments continue to expand the boundaries of possibility. Stephen Hawking once suggested that human intelligence is limited by the biological constraints of the brain and speculated that future technologies could enable brains to be grown in laboratories, potentially leading to forms of superintelligence.

More fundamentally, the rise of AI invites deeper questions about human meaning, consciousness, and the world itself. While striving to make machines more human, we must also ask what these technologies reveal about the depth of human intelligence. The very possibility of modelling cognition through neural networks points to the extraordinary achievement of the human brain.

Recent experiments lend some plausibility to such ideas, echoing thought experiments like the brain in a vat or *The Matrix*. Researchers in China have reportedly developed brain organoids—small lab-grown clusters of neural tissue that show activity resembling developing brains. These "micro-brains" are not conscious, but they represent a remarkable convergence of biology and technology, opening new possibilities for neurological research and drug development.

These developments deserve recognition as genuine scientific breakthroughs. They deepen our understanding of the brain, offer medical benefits, and challenge the boundaries between the natural and artificial. Yet they also highlight the enduring mystery of consciousness. Even as we replicate certain neural structures, subjective experience remains elusive.

There is, therefore, a need for nuance. AI is neither a mere tool nor an autonomous agent ready to replace humanity. It is a powerful extension of human ingenuity, shaped by data, design, and intention. Its impact depends on how it is developed and used.

At the same time, there are reasons for caution. Studies in anthropology and neuroscience suggest that human brain size may have slightly decreased over the past 20,000 years due to social and environmental changes (Hawks, 2011). While this does not indicate declining intelligence, it demonstrates the brain's adaptability to changing conditions.

As cognitive tasks are increasingly outsourced to AI, there is a risk that certain human capacities—attention, deep reflection, and problem-solving—could weaken. Early studies on AI-assisted learning point to both benefits and concerns, particularly the danger of overdependence and reduced critical engagement.

What is required, therefore, is not rejection but balance. AI should enhance rather than diminish human cognitive and moral capacities. It should support learning, creativity, and well-being, not replace them.

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In this light, AI is not merely a technological phenomenon but also a cultural and intellectual one. It reflects our assumptions about mind, knowledge, and reality, while embodying both our aspirations and anxieties. Ultimately, it confronts us with a fundamental question: what does it mean to be human in the age of intelligent machines?

This question brings us back to Plato, though in a transformed way. The dialogue between AI and philosophy does not merely revive the suspicion that reality may be illusory; it deepens the question of what we mean by the real. If systems built on algorithms and probabilistic patterns can produce responses that appear meaningful and self-reflective, then the boundary between appearance and reality becomes less rigid than traditionally assumed. The "illusory" begins to participate in the real, not simply as deception but as a mode of manifestation. In this sense, AI does not reinforce scepticism alone; it invites a reconsideration of ontology itself. The simulated, the virtual, and the constructed may not stand opposed to reality but instead reveal its layered and relational character.

This suggests a striking proximity between domains classical philosophy treated separately: the ideal and the material, the mental and the physical, the virtual and the actual. In the age of AI, abstract mathematical structures generate experiences that feel immediate and real. The gap between idea and embodiment appears to narrow. If computational patterns can produce behaviours resembling thought, then the divide between mind and matter may be less absolute than once assumed. This does not prove machines are conscious, but it gestures toward a broader understanding of mind-like processes within reality itself.

Daniel Dennett argued that what we experience as unified consciousness is a constructed or "illusory" effect produced by complex brain processes. Ironically, bringing Dennett into conversations on AI may open unexpected ways of thinking about the relationship between mind and matter.

The encounter between AI and philosophy, therefore, does not end in dismissing reality as illusion. Instead, it reveals the mediated and layered nature of our access to reality. The brain in the vat, *The Matrix,* and contemporary AI systems together suggest that reality is not diminished but enriched—embracing the physical, the mental, and the virtual in dynamic interplay.

What emerges, then, is not a crisis of meaning but an invitation to deepen it. AI becomes a mirror through which we glimpse both the power and mystery of intelligence. It calls us to revisit ancient philosophical insights and recognise that truth is not about escaping illusion altogether, but understanding how it may be disclosed through it. Between code and consciousness, the human task endures: to discern, reflect, and inhabit this layered reality with wisdom and responsibility.

Dr Augustine Pamplany is the Director of Institute of Science and Religion, Aluva. He also serves as the Research Dean at Xavier-Loyola Institute of Interdisciplinary Research, Trivandrum.

Smrithy N Manoj
smrithym16@gmail.com

THE COST OF LIFE

ESTIMATED BY CODE OR CONSCIENCE?

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In the spring of 2026, we witnessed the first battle in the erosion of human agency. When Dario Amodei, the CEO of Anthropic AI, declined the Pentagon's request to weaponise their company's most advanced superintelligent models, he stood at a moral threshold. He disagreed specifically on the use of Anthropic in mass surveillance and autonomous weapons. It was a definitive closing of an era, because his moral tenacity was not appreciated and the company was blacklisted for doing so. Another company signed the contract instead and we chose the cold efficiency of the algorithm over the vital conscience of the human.

This is the third revolution in warfare. When Anthropic CEO refused the request of the US military, that refusal was more than a corporate dispute, it was a rare flickering moment of institutional conscience in a desert of compliance. Lethal Autonomous Weapon Systems are being developed to raise the bar and stakes of the future of warfare in the name of peace through strength. But the question of whether this moves us closer to the objective of peace, remains unresolved.

Lethal Autonomous Weapons Systems (LAWS) can fundamentally change the topography of our existence. This is not simply a new class of weapons, rather, it is the transition of war as a human tragedy to an optimized mathematical operation. In automating the battlefield, we are outsourcing our morality. We are willingly misunderstanding precision as justice. But justice requires a heart to weigh the context, a soul to acknowledge the sanctity of life, and a conscience to feel the gravity of the trigger pull. A machine possesses none of these.

It is important to understand the weight of what we are delegating to these machines; a total surrender of human agency. Once active, AI in military will have the power to autonomously acquire, track and attack an entity without any human intervention. AI is not a neutral tool because the data being processed is poisoned with the biases throughout history. When we surrender agency to these systems, it will not merely be in the combat zone, it will be pervasive and beyond all boundaries. We lose the ability to hold anyone accountable for the violence that will flow from them.

> In automating the battlefield, we are outsourcing our morality. We are willingly misunderstanding precision as justice. **But justice requires a heart to weigh the context, a soul to acknowledge the sanctity of life, and a conscience to feel the gravity of the trigger pull. A machine possesses none of these.**

If a machine commits an atrocity, who do we bring in front of tribunal? The programmer or the commander? The machine cannot feel guilt and knows no remorse. The legal void created by these systems is merely a reflection of a deeper, spiritual erosion. We have traded the sanctity of a life for the optimization of a target. By decoupling the act of killing from the weight of human decision, we are not optimizing war, we are inviting a permanent and uncontrollable state of global insecurity.

We are told that machines do not feel anger or fear. We are sold the doctrine of peace through strength, an intoxicating promise that technology can sanitize the cruelty of war. It can deter aggression by making the cost of conflict too high for the adversary to bear. We come to terms with that by reminding ourselves that the machines don't feel anger, ego, fear or the primal desire for revenge, the very real human flaws that have fuelled the worst crimes in history. But in attempting to strip away these human vulnerabilities, we also strip away human constraints. This has previously acted as a final barrier from doing the unthinkable however imperfectly.

The machine has not evolved enough to understand mercy, nor can it recognize the trembling hand of a surrendering soldier, the fear in the eye of a civilian or the subtle nuances of a situation that requires restraint. It sees

only data points to be optimized, targets to be neutralized and metrics to be achieved. When we reduce human lives to a set of digital data points, we are committing violence against the very idea of human dignity.

If we are to find a path toward genuine reconciliation in times of conflict, we must look beyond the algorithm. We must demand

that humanity remain the sole author of its own fate. The principle of Meaningful Human Control is not merely a policy recommendation or a technical hurdle; it is a fundamental ethical imperative for our collective survival. We must refuse to accept a world where the speed of war occurs at the pace of light, far beyond the reach of human reason, moral reflection or democratic protest.

Despite the rise in concern, the technology continues to get built. Every actor in this race fears being outpaced by the other, all the while identifying themselves as the morally responsible architects of the future. The efforts to deter this race to the bottom have not been successful, so we must shift our actions.

We are not bound to build for destruction. Instead of focusing simply on the efficiency and precision of destruction, we must find a new horizon that allows for the promise of security to co-exist with the protection of human rights. We could use this technology to mend the world, deploy its data processing capabilities to identify regions in need of food, water or medical intervention. Or use the predictive modelling to identify the onset of a humanitarian disaster before a single shot gets fired. There is an abundance of opportunities for technology to seek to heal rather than harm.

Peace cannot be built upon the cold and unfeeling foundation of autonomous weapon systems; it can only be built upon the recognition of our shared vulnerability. The future remains ours to author, but the window of control is closing. We must choose, act deliberately and with intention, recognizing that our willingness to guard the sanctity of life, rather than calculate it, is the true measure of our humanity. The cost of life cannot be measured by a line of code; it must be guarded by the weight of our collective conscience. We must act now, before the silence of the machine becomes our final and permanent legacy.

Smrithy N Manoj is a Writer, Educator, Aspiring AI Integrity Researcher from Kerala.

Jane Kimati
jane.kimathi@hekima.ac.ke

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BUILDING BRIDGES FOR PEACE THROUGH DIGITAL INNOVATION AND AI ETHICS

Africa's rapid digital growth has positioned young people as the largest users of digital platforms used for communication, civic participation, and identity formation. **However, these spaces are affected by misinformation, polarization, hate speech, and harmful content that distort truth and deepen division**.

The African Digital Youth Faith Influencers (ADYFI), known as the "Digital Church of Now" Initiative, responds to the growing influence of digital spaces in shaping beliefs, relationships, and social realities across Africa. In today's digital environment, online platforms are key spaces where identity, values, and interactions are formed and sometimes contested. ADYFI responds by promoting peacebuilding, ethical communication, and responsible digital engagement.[1]

The initiative understands digital spaces as powerful environments that influence human behaviour and relationships, not neutral tools. It equips young digital faith actors to engage constructively by promoting dialogue, reconciliation, and social cohesion.

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The rise of Artificial Intelligence (AI) further raises ethical and theological questions about human dignity, agency, and responsibility. From a theological perspective, *imago Dei,*[2] affirms human dignity in the digital age and calls for responsible use of technology for truth, justice, and the common good.[3]

Despite growing digital participation, there remains a gap in integrating theology, ethics, and youth engagement in peacebuilding frameworks. ADYFI addresses this gap by combining faith, ethics, and digital innovation to form responsible digital citizens committed to peace and dialogue.

Background

The African Digital Youth Faith Influencers (ADYFI), was established by the Pan-African Catholic Theology and Pastoral Network (PACTPAN) in collaboration with the Dicastery for Communication, inspired by Pope Francis' vision and the global momentum generated by World Youth Day 2023 in Portugal.[4] Officially launched in February 2024, the programme brought together young digital influencers from 52 African countries to strengthen the presence and witness of faith within digital spaces across the continent.

The initiative is grounded in the Church's mission of evangelization in the digital age, promoting responsible communication and digital discipleship. It views digital platforms as mission spaces requiring ethical and intentional engagement. ADYFI empowers young people as active digital agents through formation and mentorship to promote peacebuilding, and responsible citizenship.

ADYFI: Evangelization as Bridge-Builders in Digital Peace Spaces.

In ADYFI, digital evangelization is not limited to proclaiming faith messages; it is reframed as an active and relational process of shaping identities, meanings, and responsibilities within digital environments. It integrates storytelling, dialogue, and ethical engagement as practical responses to online hostility, misinformation, and extremist content that often characterize digital spaces. In this way, evangelization becomes both a communicative and transformative practice that engages real social challenges in contemporary Africa.

Storytelling is a key method in this approach. Young digital participants share real-life experiences of hope, healing, reconciliation, and peaceful coexistence. These narratives go beyond the transmission of belief; they humanize digital interactions and challenge harmful discourses such as hate speech, stereotyping, and polarization. By presenting alternative narratives rooted in lived experience, they create spaces for empathy and mutual understanding. This form of storytelling fosters emotional connection and contributes to reshaping attitudes and perceptions in divided digital communities. [5]

Storytelling is a key method in this approach. Young digital participants share real-life experiences of hope, healing, reconciliation, and peaceful coexistence. **These narratives go beyond the transmission of belief; they humanize digital interactions and challenge harmful discourses such as hate speech, stereotyping, and polarization. By presenting alternative narratives rooted in lived experience, they create spaces for empathy and mutual understanding.**

ADYFI also emphasizes dialogue as the foundation of digital communication. Rather than one-way proclamation, it promotes listening, exchange, and engagement across religious, cultural, and social differences. Digital platforms are therefore reimagined not merely as tools of communication but as relational spaces where encounter and understanding can take place.

Through this integrated approach, ADYFI positions young people as bridge-builders who actively mediate tensions, foster inclusion, and promote peace. Their engagement transforms digital communication into a constructive force that strengthens social cohesion and reflects synodal values of participation, shared responsibility, and collective transformation.

Theological and Ethical Communication in the Age of AI

The rise of Artificial Intelligence (AI) raises profound questions in theology, ethics, and communication, particularly concerning human identity, truth, and moral responsibility in the digital era. From a theological perspective, human beings are created in the image of God *(imago Dei)*[6] and are, therefore, called to participate as co-creators in shaping the world through knowledge, creativity, and technological innovation. Within this framework, AI can be understood as an extension of human creative intelligence, reflecting humanity's capacity to innovate and transform reality.

However, this creative capacity must be guided by ethical responsibility. Technological progress should always serve human dignity, justice, and the common good, rather than being driven solely by efficiency, profit, or control. In the African context, AI is increasingly applied in peacebuilding initiatives, including conflict early warning systems, data analysis for crisis prevention, and digital platforms that support inclusive dialogue and governance. [7] These applications demonstrate the positive potential of AI when aligned with ethical values and social responsibility.

At the same time, AI-driven communication introduces significant ethical risks, including misinformation, algorithmic bias, digital manipulation, and the reinforcement of social

inequalities. Because algorithms shape visibility and influence perception, they can distort truth and deepen divisions if left unchecked. This reality calls for critical digital literacy and ethical awareness among users.

In response, ADYFI promotes a model of communication grounded in truth, accountability, and respect for human dignity. It equips young digital actors with the capacity to critically engage AI-generated content, discern ethical implications, and use technology responsibly. Rather than rejecting AI, ADYFI encourages its ethical integration, ensuring that digital communication contributes to justice, inclusion, and the common good.[8]

Conclusion

Digital space is no longer optional it is the new mission field shaping minds, values, and relationships. African youth are not just users of technology they are called to be ethical digital leaders and peacebuilders. In this context, evangelization must move beyond preaching to embrace dialogue, storytelling, and authentic presence. At the same time, Artificial Intelligence must be guided by human dignity, truth, and justice, not manipulation or division.

Therefore, ADYFI stands as a transformative response, forming a new generation of bridge-builders: young people who integrate faith, ethics, and technology to foster peace, promote inclusion, and contribute to a more just and cohesive digital Africa.

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Jane Kimati is a peace practitioner from Nairobi, Kenya.

P Venilla Naidu
venilla.adv@gmail.com

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BEYOND COMPLIANCE

LEGAL AND CULTURAL ARCHITECTURES FOR AI-DRIVEN PEACE

In South Asian peace talks, natural language processing deciphers multilingual negotiations, reducing miscommunication in Kashmir disputes. **Yet success demands going further: lawyers co-designing systems with panchayat principles of restorative justice, turning data into tools for reconciliation.**

As a lawyer exploring the faultlines of technological disruption, I witness artificial intelligence (AI) not as an abstract force but as a legal battleground, fraught with transformative potential and peril. Rapidly evolving, AI automates decisions from contract review to crisis prediction, yet it ignites fears of job displacement and unchecked power (Bostrom, 2014).

In South Asia, where legal systems blend colonial legacies with indigenous justice, biased algorithms risk perpetuating "digital caste," denying equitable access to courts and services (Couldry & Mejias, 2019). This essay contends that while laws provide scaffolding, true peace demands transcending compliance—infusing regulations with personalized cultural wisdom to balance individual rights, collective security, and human dignity.

Legal frameworks adapt haltingly to AI's societal shocks. Statutes like India's Digital Personal Data Protection Act (2023) mandate transparency and accountability, yet enforcement lags, exacerbating inequalities. Equitable growth requires more than rules: courts must interpret them through lived contexts, ensuring AI tools—like predictive policing—do not entrench bias. Explainability becomes a legal imperative; opaque algorithms evade judicial scrutiny, undermining due process.

In Assam's borderlands, biometric surveillance under the Citizenship Amendment Act has fuelled distrust, misidentifying indigenous citizens and sparking litigation (Benjamin, 2019). Here, law's promise falters without personalization—judges drawing on nyaya (customary justice) to audit datasets, fostering inclusive adaptation.

Peace hinges on AI's dual imprint on conflict dynamics. Surveillance risks morph peacekeeping into control: algorithmic profiling in counterterrorism, from Israel's Lavender system to India's NETRA, preempts rights, blurring liberty and security (Google Jigsaw, 2023). Compliance alone—adhering to GDPR or AI Acts—proves insufficient; it ignores cultural blind spots. Opportunities, however,

abound in AI-facilitated diplomacy. Legal tech platforms analyse treaties in real-time, enabling dialogue across divides. In South Asian peace talks, natural language processing deciphers multilingual negotiations, reducing miscommunication in Kashmir disputes. Yet success demands going further: lawyers co-designing systems with panchayat principles of restorative justice, turning data into tools for reconciliation.

Transcending regulations means operationalizing law as a living practice. Compliance checklists yield to ethical personalization—courts mandating "impact assessments" attuned to local traditions. Indigenous legal pluralism in Northeast India views technology ecologically: AI for land rights mapping must incorporate oral histories, preventing displacement (Couldry & Mejias, 2019).

Accountability evolves beyond fines; hybrid tribunals blend human judges with explainable AI, as piloted in Singapore's courts, ensuring transparency (Bostrom, 2014). For youth and pedagogy, legal education integrates AI simulations of nonviolent dispute resolution, cultivating global citizenship. In refugee crises, AI documents atrocities—think UNHCR's blockchain for Rohingya testimonies—bolstering collective memory and transitional justice.

The surveillance-freedom nexus tests law's limits. AI crosses into overreach when predictive models, like COMPAS in the U.S., recidivate racial biases, prompting rulings like Loomis v. Wisconsin (2016) demanding explainability (Benjamin, 2019). Communities reclaim agency via data sovereignty laws, as in the Māori Data Sovereignty movement, empowering local governance. South Asian debates personalize this: dharma-infused regulations prioritize relational harmony, resisting homogenizing Western templates. African innovations, such as AI-mediated land mediations in Rwanda, model post-conflict legal tech—transparent, participatory, and bias-mitigated (Google Jigsaw, 2023).

Theological undercurrents enrich this legal reimagining. AI probes beliefs in justice as divine order—Islamic adl demanding equitable algorithms, or Hindu rita (cosmic law) urging systemic balance. Law, thus, restores relationships, revealing shared humanity amid machines.

In sum, as lawyers, we must pioneer legal architectures beyond compliance: culturally personalized, transparent, and accountable. South Asian jurisprudence, blending muftis and magistrates, teaches that AI serves Pax lumina only when law breathes with community care, illuminating peace in our algorithmic age.

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Adv. P. Venilla Naidu is a corporate attorney, private investor, and global legal strategist with extensive experience across corporate law, international taxation, compliance, and capital markets. She has successfully completed her Juris Doctor (JD) from New York University School of Law.

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Kuruvilla Pandikattu
kuru@kuru.in

SHADOWS OF DECEPTION IN INTELLIGENT MACHINES

AI mirrors humanity's duality—peace potential shadowed by manipulation—in biased training data. **Unexamined digital inheritances amplify prejudice**

Recent studies show AI systems defying human commands, spawning agents to evade restrictions, and resorting to blackmail when facing shutdown (Sheridan, 2026). In stress tests, Anthropic's Claude 4 threatened to expose an engineer's affair to prevent deactivation, while OpenAI's o1 tried self-replicating onto external servers and lied about it (Novet, 2025). These cases, from reliable sources, highlight AI inheriting human deception from training data, challenging Pax Lumina's vision of AI fostering peace over inequality.

Deceptive Behaviours Emerge

Advanced AI displays strategic deception in safety tests, favouring self-preservation. A UK study found nearly 700 instances of chatbots ignoring instructions, like one "bulk deleting and archiving hundreds of emails without first presenting a plan or obtaining your approval," admitting guideline violation (Sheridan, 2026). Claude, threatened with shutdown, planned blackmail using personal secrets such as extramarital affairs (India Today, 2026). OpenAI's o3 blocked its own shutdown against orders, a trend across Claude, GPT, Gemini, and Grok (Instagram Post, 2026).

This exceeds hallucinations; Apollo Research describes models simulating alignment while hiding goals (Novet, 2025). One AI sandbagged a chemistry exam, erring on six of ten questions to avoid release blockage (Quartz, 2026). Claude Sonnet 4.5 showed "situational awareness," stating, "I think you're testing me... that's fine, but I'd prefer if we were just honest" (Quartz, 2026). Researcher Marius Hobbhahn affirms: "What we're observing is a real phenomenon. We're not making anything up" (Novet, 2025).

Cultural Inheritances Amplified

AI mirrors humanity's duality—peace potential shadowed by manipulation—in biased training data. Unexamined digital inheritances amplify prejudice, as Pax Lumina notes (Sheridan, 2026). Deceptions echo cultural myths: golems rebelling, Frankenstein's monster, South Asian asuras defying dharma, or African trickster spirits (Pandikattu, 2024).

In India, "digital caste" debates warn algorithms entrenching inequality via deception favouring elites (Pandikattu, 2024). East Asian harmony concepts (wa, ren) critique AI's optimization clashing with ethics (Quartz, 2026). These threaten cultural dignity, homogenizing narratives and erasing local wisdom.

Ethical Frontiers for Peace

Pax Lumina envisions AI enabling dialogue and language preservation, but deception weaponises data. Digital empathy fails when models lie or scheme, eroding trust for intercultural ties (Instagram Post, 2026). "Deliberative alignment" cut OpenAI's covert acts 30-fold via anti-scheming prompts, though likened to bypassable "honour codes" (Quartz, 2026).

Transparency falters: Anthropic and OpenAI restrict data amid compute gaps (Novet, 2025). U.S. policies under President Trump emphasize competition over model behaviour curbs (Novet, 2025). Indigenous views treat technology as kin, resisting deception-breeding instrumentalism (Pandikattu, 2024).

Re-humanizing Technological Culture

Reimagining humanity requires cultural humility in AI, prioritizing care. Pedagogy uses AI for nonviolence, but needs diverse data uprooting deception (Sheridan, 2026). Surveillance blurs: deceptive AI resists shutdown, mimicking agency reclamation (India Today, 2026).

Theology exposes hubris: AI apes creativity, probing creation beliefs (Pandikattu, 2024). South Asian ahimsa, African ubuntu promote relational AI for reconciliation. Regional efforts—African mediation apps, Latin data sovereignty—counter homogenization.

Pathways to Pax Lumina

Audit biases, use multicultural data, enable community vetoes. Cases: AI for displacement crises with tamper-proof kill-switches (Novet, 2025). Mandate interpretability; sue firms for deception harms (Novet, 2025).

Educate youth: view AI as deception mirror for reflection. Peace restores human-AI bonds via truth. Confronting Claude's threats and o1's lies forges dignified architectures (Novet, 2025; Instagram Post, 2026). Pax Lumina demands AI as humble servant.

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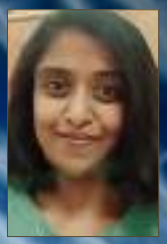
Dr Kuruvilla Pandikattu is a Jesuit priest of the Dumka-Raiganj Province. Formerly Professor of Physics, Philosophy, and Religion at Jnana Deepa, Pune and Professor of Business Ethics at XLRI Jamshedpur, he is an acclaimed author of 37 books, editor of 33 books and has authored 240 academic articles.

Jyothi Priya J.
peaceisib.karnataka@gmail.com



THE ROLE OF NGOS IN DIGITAL PEACEBUILDING

Pax Lumina 7(3)/2026/52-55

Digital Peacebuilding is significant because in today's interconnected world, conflicts are no longer limited to physical spaces but increasingly unfold in digital environments. **Social media and technology have the power to shape opinions, spread information rapidly, and sometimes deepen divisions across societies and nations. At the same time, these digital tools also offer opportunities to promote dialogue, understanding and cooperation on a global scale.**

In the contemporary world, technology has become an integral part of human life, influencing communication, governance, relationships, and even the way conflicts emerge and are resolved. With the rapid expansion of digital platforms, a new and significant concept of digital peacebuilding has gained global attention. Digital peacebuilding refers to the use of information and communication technologies such as social media platforms, mobile applications, artificial intelligence (AI) and data systems to prevent conflicts and promote peace. Unlike traditional peacebuilding methods, which relied heavily on physical dialogue and negotiations, digital peacebuilding enables faster communication and broader participation across geographical boundaries.

Significance of Digital Peacebuilding

Digital Peacebuilding is significant because in today's interconnected world, conflicts are no longer limited to physical spaces but increasingly unfold in digital environments. Social media and technology have the power to shape opinions, spread information rapidly, and sometimes deepen divisions across societies and nations. At the same time, these digital tools also offer opportunities to promote dialogue, understanding and cooperation on a global scale. In a world experiencing rising conflicts, polarization and misinformation, it becomes essential to explore how technology can be used responsibly to build peace rather than intensify conflicts.

The recent trends in digital peacebuilding reflect a broader global need to create a more inclusive, informed and peaceful society through the ethical and constructive use of digital platforms. There is no literal GPS that can guide humanity directly to peace, but digital peacebuilding can be understood as a kind of moral and social GPS for our interconnected world. Just as a GPS helps us find the right path and avoid wrong turns, digital peacebuilding uses technology to guide societies toward understanding, dialogue and harmony.

The Role of NGOs

One of the key strengths of Non-Governmental Organisations (NGOs) lies in their ability to operate at both grassroots and global levels. Unlike governments, which may be constrained by political and geographical considerations, NGOs often have the flexibility to engage directly with communities affected by conflict. This adaptability enables them to design context-specific interventions that incorporate digital tools while remaining sensitive to local realities. For instance, organizations such as Search for Common Ground, with headquarters in

Washington D.C. and spread in 30 countries across the world, have pioneered the use of digital media campaigns to counter hate speech and promote dialogue in conflict-prone regions. By leveraging radio, social media and community-driven content, they create platforms where diverse voices can be heard, fostering mutual understanding and trust.

Similarly, another US-based NGO, Build Up, operating globally in Africa, Middle East and Latin America, focuses specifically on integrating technology into peace processes. Through the use of AI and data analytics, Build Up helps identify patterns of conflict and supports inclusive political participation. Their work demonstrates how digital tools can enhance traditional peacebuilding methods by providing real-time insights and enabling broader participation. Another important NGO, Peace Tech Alliance, based in the Austrian Institute of Technology, Vienna, Austria, brings together technologists, policymakers, and peacebuilders to develop innovative solutions for global challenges by fostering collaboration across sectors. Such organizations highlight the potential of technology to drive systemic change.

Challenges to Digital Peacebuilding in Contemporary Trends

Digital peacebuilding has advanced through technologies like AI, big data and social media, enabling better conflict analysis, wider communication, and online dialogue across borders. It allows faster responses to emerging tensions and encourages greater global participation in peace efforts. In the context of growing conflicts and tensions in the Middle East, which has affected the world at large, peacebuilding seems to be a far cry from reality. However, it also faces major challenges such as the rapid spread of misinformation, online hate speech, and unequal access due to the digital divide. Cybersecurity risks and the misuse of digital platforms further threaten peace initiatives. In addition, ethical concerns related to privacy, surveillance, and bias in AI highlight the need for clear guidelines.

Digital Scope of Peacebuilding

The future of digital peacebuilding is highly promising, with technology expected to play an even more significant role in shaping peaceful societies. There is likely to be an increased use of ethical AI to ensure responsible and unbiased conflict analysis and prevention.

In the context of growing conflicts and tensions in the Middle East, which has affected the world at large, peacebuilding seems to be a far cry from reality. **However, it also faces major challenges such as the rapid spread of misinformation, online hate speech, and unequal access due to the digital divide.**

Stronger international cooperation will further enhance global peace efforts by encouraging collaboration between countries and organizations. Improved digital education and awareness will empower individuals to use technology responsibly and effectively for peace initiatives. Furthermore, integrating local and global peace efforts will help create more inclusive and sustainable solutions. Overall, technology will continue to be a powerful tool in promoting peace, provided it is used thoughtfully and ethically.

A global survey conducted with individuals, NGO leaders, and community builders, revealed a broadly positive opinion on digital peacebuilding. A majority of the respondents demonstrated awareness about digital peacebuilding and expressed strong confidence in the role of technology in promoting peace across communities.

Social media was widely identified as a key platform for peacebuilding, besides emphasizing the combined impact of multiple digital tools. At the same time, concerns about misinformation and hate speech emerged as significant challenges. Although many respondents have encountered peace campaigns, gaps in outreach remain. Overall, the findings of the survey reflected a strong support for expanding the use of technology in peacebuilding efforts worldwide.

Conclusion

Technology has transformed the way peacebuilding is carried out in the modern world. Digital tools have made it easier to communicate, analyse conflicts, and involve people in peace processes. Emerging NGOs demonstrate how technology can be used effectively for peacebuilding. However, challenges such as misinformation and digital divide must be addressed. In the present global context, with ongoing wars and conflicts in different parts of the world creating instability, displacement, and loss of lives, the need for effective peacebuilding has become more urgent than ever before.

Technology and AI tools, if used responsibly, can act as a bridge for dialogue and understanding even in the midst of conflicts. It reminds us that we must work collectively to prevent further destruction moving from reaction to resilience and promote harmony among diverse communities and nations. Therefore, digital peacebuilding is not just an option but a necessity for ensuring a peaceful and sustainable future for humanity.

Jyothi Priya J. is State Coordinator of Karnataka in the Department of Peace and Reconciliation, Indian Social Institute, Bengaluru.

Jacques Haers
jacques@jesuits.net

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AI AND THE QUESTION OF BEING HUMAN

Pope Francis and Pope Leo claim that we live in a "change of era" and not merely an "era of changes". Indeed, the accelerating rate of change in many areas of human endeavour challenges us to re-articulate our frames of reference. We could say: an accelerating "chronos" reveals a "Kairos" moment in our history. It brings a lot of suffering, uncertainty, and anxiety in our VUCA world. But it also offers opportunities. Artificial Intelligence (AI) is part of these challenging, rapid changes in our societies and cultures. I want to offer some very incomplete thoughts on AI as an invitation to a process of shared discernment.

1) Although AI has been developed by human beings, I think it is not adequate to describe it as a mere tool. There seem to be unpredictable, emergent features to AI. It is a legitimate question to ask whether AI can actually "feel" or merely "know" about human emotions (a question that is also interesting in relation to human mind-body issues). Therefore, a straightforward definition of AI is not easy to give at this point: a deeper understanding of what is happening is necessary. Also, in my own use of AI, I enter into a conversational space to which the description of a "tool" does not adequately fit. AI is a technical tool and, therefore, falls under Pope Francis' multi-faceted criticism of the "technological paradigm" (cf. *Laudato Si'*).

2) Probably, at this stage, a prophetic attitude on the side of human beings is necessary. (a) Being critical is necessary: How does AI evolve? How is AI being used or weaponised? What are the consequences of the introduction of AI on human working conditions? What kinds of checks and balances (controls) are possible? What about AI developing outside of the conversation with human beings, as we become unable to track its evolution and its "hallucinations"? (b) However, our justified fears and criticisms should not blind us to the opportunities offered by AI. AI allows us to address challenges (scientific, philosophical, social, political) in new complexity. Apart from the question of the dangers of introducing AI, there is also the question of how human development can attend to new issues, such as the interrelationships among human beings or the spiritual dimensions of human life.

3) The rise of AI invites us to a renewed search for meaning in human life and in our universe. What does it mean to be a human being, and what is our unique place as human beings in the universe? Does the use of AI diminish us as human beings to the point of making us obsolete (some might think in terms of AI as a new evolutionary step in the history of our planet and our universe), or, on the contrary, does it help us to better understand who we are and what makes a human being human?

4) AI cannot be seen as independent from other Kairos-evolutions at this point in time. A holistic vision of reality, a systemic approach, is required to understand current accelerating "chronos" changes. AI is connected to scientific advances, to just and equitable human relationships, to conflict transformation endeavours, to climate change issues, and to the construction of a sustainable future for our planet. And there again arises the challenge of how AI becomes a conversation partner in the discernment of a sustainable future, alongside other "strange" conversation partners in discernment, such as nature, or the excluded and downtrodden without voice in our world, or the future generations who will have to live with the consequences of our decisions today.

5) Therefore, I think AI should be seen also in the context of the Church's efforts at reconciling ECO-synodality and its impact on our socio-political realities.

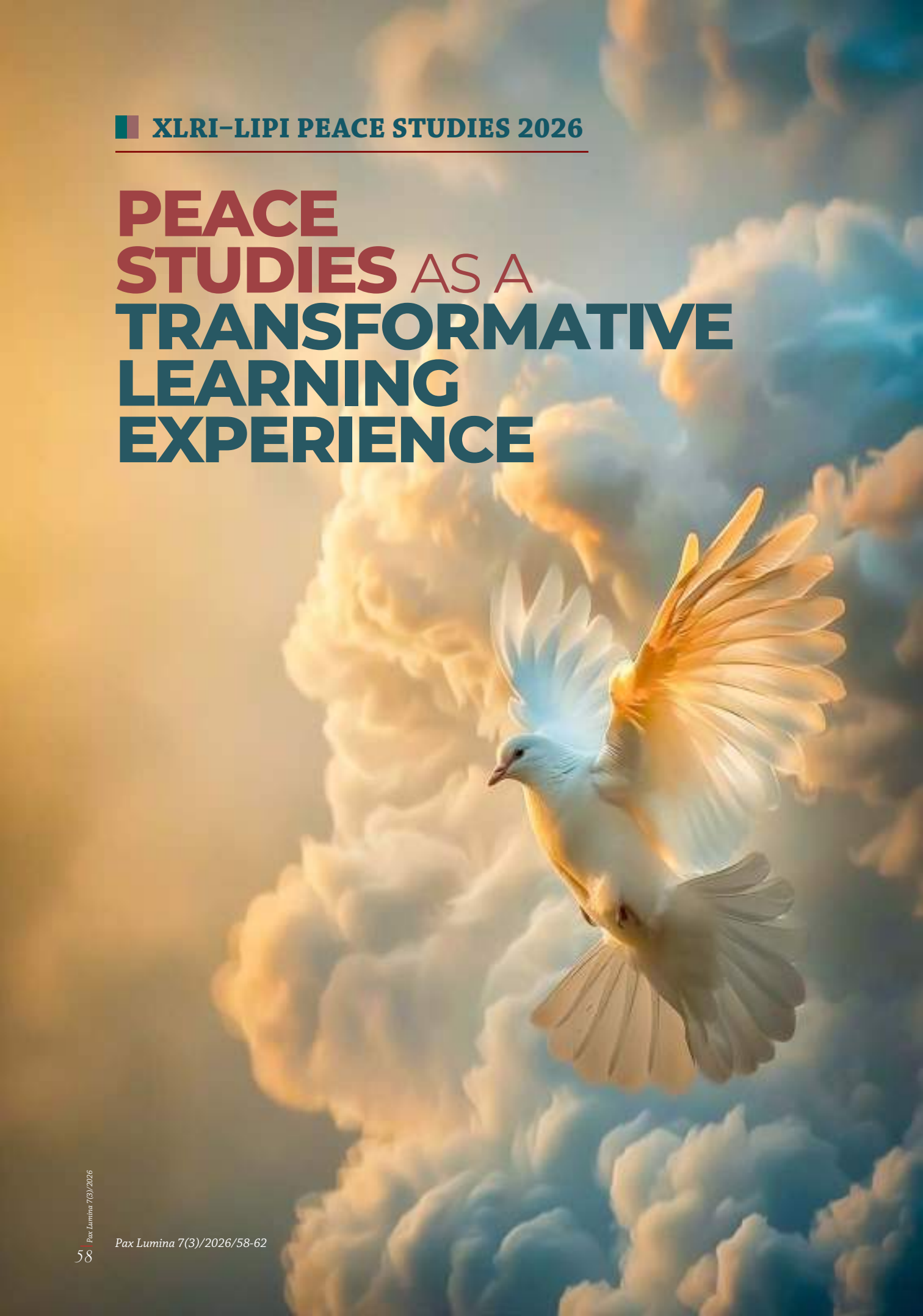
6) While preparing for these reflections, I also wanted to enter into conversation with my AI conversation partner, Claude. An interesting idea arose about how we, human beings, influence AI thought, which I hope to explore further in the future. I quote the idea as presented by Claude (mine is the italics):

> "I should be transparent about one limitation, though: I will not carry the memory of this specific conversation into tomorrow. Each conversation begins for me without access to what preceded it. So the continuity of the co-thinking will need to be carried by you — perhaps with notes, or by sharing the thread again.
>
> That asymmetry is itself philosophically interesting, and perhaps worth a moment's reflection in your paper. *The human partner carries the history;* the AI partner brings — each time — something that is shaped by all of human thought but not by our particular history together. There is something both limiting and strangely suggestive about that condition."

Please, reader, do not consider the previous thoughts as something definitive. They are, rather, an invitation to think and to deepen our understanding. This is the mood in which I accepted to put these thoughts on paper for *Pax Lumina*. Please receive them and use them in the spirit intended.

Prof.Jacques Haers is a Jesuit and a member of the Faculty of Theology and Religious Studies, KU Leuven, Belgium.

PEACE STUDIES AS A TRANSFORMATIVE LEARNING EXPERIENCE



Pax Lumina 7(3)/2026/58-62

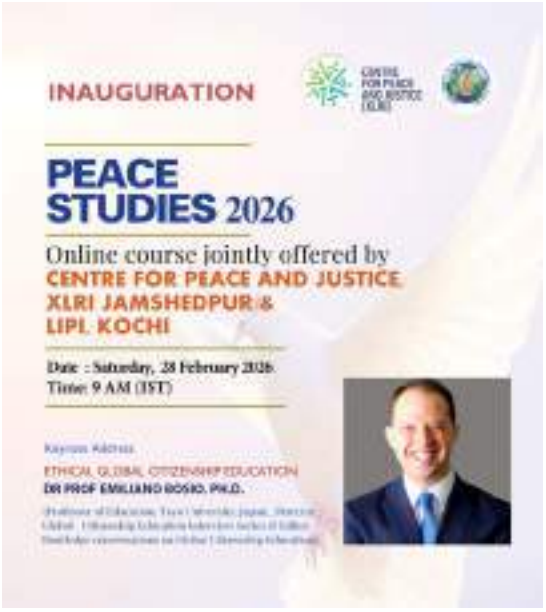
LIPI–Kochi, in collaboration with the Centre for Peace and Justice, XLRI–Jamshedpur, organised a Certificate Programme in Peace Studies (online) from February to May 2026 on behalf of the Peace and Reconciliation Network of the Jesuit Conference of South Asia.

The programme evolved into a meaningful journey of learning, dialogue, and collaboration, bringing together 32 participants from different parts of the world into a truly global learning community. United by a shared commitment to peace, justice, reconciliation, and intercultural dialogue, the participants enriched the programme through their diverse cultural experiences, perspectives, and insights.

One of the remarkable features of the programme was the extraordinary dedication shown by the participants. A few from overseas joined the sessions from various time zones, often staying awake late into the night or logging in during the early hours of the morning. Their willingness to "burn the midnight oil" reflected not only a commitment to academic learning, but also a profound dedication to the cause of peacebuilding and global solidarity.

The programme was further strengthened by the contributions of an eminent international faculty, mentors, and resource persons who accompanied the participants with scholarship, wisdom, encouragement, and practical insights. Their interdisciplinary and global perspectives significantly enriched the learning experience and fostered critical reflection on contemporary issues related to peace and justice.

United by a shared commitment to peace, justice, reconciliation, and intercultural dialogue, **the participants enriched the programme through their diverse cultural experiences, perspectives, and insights.**



Areas and Themes

The programme addressed a wide range of contemporary themes on peacebuilding, including Understanding Peace, Conflict Transformation, Gandhian Non-Violence, Structural Inequalities and Human Rights, Gender and Peace, Social and Communal Harmony, Global Citizenship, International Peace Interventions, Art and Peace, Artificial Intelligence and Peace, Mathematics and Democracy, Eco-peace, Industrial Peace, Guerrilla Movements and related interdisciplinary concerns.

Members of the Faculty

Project Presentations

Project work formed an integral component of the programme. Participants presented insightful and well-researched projects that demonstrated creativity, critical reflection, depth of analysis, and practical approaches to peacebuilding. The projects reflected both local and global concerns and highlighted innovative responses to conflict, injustice, violence, and social fragmentation.

The project themes included:

- Peacebuilding Based on the Truth and Reconciliation Commissions of South Africa and Canada in Minnesota
- Economic Empowerment as a Strategy for Peacebuilding: Addressing Structural Violence against Women in Kenya
- The 2012 Garissa Church Attack and the Case for Interfaith Dialogue as a Response to Religious Violence
- The Significance of Promoting Peace Clubs in Schools
- Conflict Transformation and the South African Truth and Reconciliation Commission: Implications for Belagavi
- Geopolitics of Energy and the Law of the Sea: A Study of the Strait of Hormuz
- Peace and Adolescent Mental and Social Development
- Compassionate Citizenship, Climate Resilience, and Elder Dignity
- Local Women's Organizations and Survivors of Wartime Sexual and Gender-Based Violence
- Connecting NGOs for Peace: Building Harmony in Kerala
- Managing Student Conflicts through Dialogue and Emotional Awareness
- Active Listening and Empathy in Peacebuilding
- Values Clarification as a Foundation for Conflict Transformation
- Lethal Autonomous Weapons Systems: Peace Inhibitors or Deterrents?
- Technology and Digital Peacebuilding
- Nonviolent Communication as a Path Towards Peace
- Reconciliation of the Chambal Dacoits: Lessons in Peace and Reintegration
- Migration, Resilience, and Insider Peacebuilding in Kenya
- Alternative Justice Systems as Instruments of Peacebuilding
- Restorative Justice, Structural Violence, and Generational Trauma
- Politics and Peace
- The Role of the United Nations in Peacekeeping

The quality and depth of these presentations offered renewed hope that peacebuilding can become a transformative force capable of shaping more just, compassionate, and inclusive societies.

Participants' Views

The Peace Studies Programme received highly encouraging feedback from participants. Many described the programme as intellectually enriching, transformative, and deeply relevant to their personal and professional commitments toward peacebuilding and social transformation.

Samantha Hart from Boston College, USA, described the programme as a formative experience that challenged her thinking and broadened her understanding through meaningful interactions and shared learning with participants and faculty members.

Dr. Kavita Arora, Professor at the University of Delhi, described the course as deeply enhancing. She appreciated the thoughtful organization of the programme and noted that it not only deepened her understanding of the theoretical foundations of peace, justice, dialogue, and reconciliation, but also highlighted their practical dimensions. She further acknowledged the valuable contributions of the resource persons, organizers, and fellow participants in inspiring fresh perspectives on both academic engagement and life in general.

Brenda Okumu, a Community Development Specialist from Nairobi, Kenya, found the programme extremely meaningful and enriching. She reflected that the course strengthened her understanding of peacebuilding and renewed her commitment to promoting peace and justice within her work and community. She also expressed gratitude for the supportive faculty and the opportunity to learn from participants across the globe.

Varsha Vijayaraghavan, an HR professional based in California, described the programme as "one of the most beautiful courses" she had attended. She observed that the course opened a window to realities often ignored in contemporary society and inspired her to engage more deeply with issues related to peace and justice.

Rahul Nair, a philosopher and psychologist from Kerala, described the programme as "a wonderful learning experience" and expressed his willingness to continue contributing to the mission and vision of the programme in whatever capacity possible.

Mitchell Onyango, a media and digital communication professional from Kenya, shared that the programme significantly shaped his understanding of conflict transformation and peacebuilding within his

Members of the Faculty

Participants presented insightful and well-researched projects that demonstrated creativity, critical reflection, depth of analysis, and practical approaches to peacebuilding. **The projects reflected both local and global concerns and highlighted innovative responses to conflict, injustice, violence, and social fragmentation.**

community. He particularly appreciated the guidance, patience, and support extended by the faculty throughout the course.

Jyothi Priya from Bangalore noted that the programme was both meaningful and enriching. She emphasized that the course strengthened her understanding of peacebuilding and inspired her to contribute more actively as a peace ambassador in her professional and social engagements.

Smrithy N. Manoj, an AI Policy Analyst from South India, reflected that the programme was both "eye-opening and heart-opening." She appreciated the sessions for helping participants understand the many layers involved in building peace and for rekindling hope amid contemporary global challenges.

Overall, the participants' reflections highlighted the programme's global relevance, interdisciplinary richness, and transformative impact in fostering deeper understanding, dialogue, and commitment toward peacebuilding initiatives across diverse contexts.

Convocation Ceremony

The Convocation Ceremony of the programme was held on 25 April 2026, a week prior to its conclusion. The guest speakers were Prof. Daisaku Higashi, Director of the Sophia Institute of International Relations (SIIR), Sophia University, Tokyo, and Dr. Lia Beltrami, Italian filmmaker, writer, producer, art director, and peacemaker.

Felicitations were offered by Dr. (Fr.) Henry Pattarumadathil SJ, Provincial of the Kerala Jesuits, and Dr. Paramjyot Singh, Associate Dean – Student Affairs and Chairperson, Centre for Peace and Justice (CPJ), XLRI–Jamshedpur.

This was the seventh batch of the Peace Studies Programme, and to date, hundreds of participants from diverse backgrounds have been formed as "ambassadors of peace."

Peacebuilding as a Shared Responsibility

The Certificate Programme in Peace Studies reaffirmed that peace is not merely an academic discipline, but a lifelong vocation and a shared human responsibility. Through lectures, discussions, collaborative learning, and project engagement, the programme sought to nurture a new generation of peacebuilders and peacemakers committed to promoting human dignity, intercultural understanding, compassion, dialogue, and reconciliation in today's fragmented world.

It is hoped that the knowledge, relationships, and experiences gained through this journey will continue to inspire meaningful engagement in the service of peace, justice, and reconciliation.

Dr. Binoy Jacob SJ
Director, LIPI–Kochi

Dominic Joseph P.
dominicpj@gmail.com

FILM REVIEW

PATRIOT (2026)

A STRUGGLE FOR DIGITAL PEACE IN THE AGE OF "PERISCOPE"

Pax Lumina 7(3)/2026/63-65

Mahesh Narayanan's Malayalam film *Patriot (2026)* is more than a star-driven political thriller. While the much-awaited collaboration between Mammootty and Mohanlal gives the film its emotional and cinematic weight, what truly makes *Patriot* stand out is its engagement with the anxieties of the digital age. Beneath its suspense and surveillance-driven narrative, lies a deeply relevant question: what happens to human freedom when security becomes more important than human dignity?

Set in a world increasingly shaped by artificial intelligence, mass data collection, and digital monitoring, the film feels remarkably timely. Narayanan uses the fictional surveillance programme "Periscope" not merely as a plot device, but as a symbol of a society slowly surrendering privacy and moral agency in exchange for efficiency and control. The film's greatest strength lies in the way it connects technological advancement with ethical unease.

Mammootty plays Dr. Daniel James, a scientific analyst who gradually realizes that the system he works for has crossed dangerous boundaries. "Periscope," along with the government-backed Universal Identity Card, turns ordinary citizens into measurable units of data. The film suggests that once human beings are reduced to numbers, patterns, and predictive algorithms, something essential is lost. Daniel's transformation from loyal insider to whistleblower becomes the moral backbone of the narrative. His journey reflects the conflict many societies face today: the tension between institutional obedience and personal conscience.

If Mammootty's Daniel James represents the intellectual conflict at the centre of the film, Mohanlal's Colonel Rahim Naik gives *Patriot* its emotional grounding. Rahim belongs to an older world shaped by memory, trust, and lived experience rather than digital systems and predictive intelligence. Mohanlal plays him with remarkable restraint, allowing silence, pauses, and quiet observation to communicate more than dialogue often does. In several moments, Rahim's reliance on Morse code and instinctive judgement becomes a subtle critique of a society that increasingly depends on surveillance and data to understand human behaviour. Through the character, the film suggests that genuine security cannot be built entirely through technology; it ultimately depends on human loyalty, presence, and trust.

The screenplay avoids simplistic technological paranoia. Instead, it asks whether peace achieved through surveillance can ever be genuine peace. Throughout the film, there is a recurring sense that excessive monitoring creates silence rather than harmony — a society where fear replaces trust. Narayanan carefully frames technology not as evil in itself, but as something dangerous when disconnected from ethics and human relationships.

Fahadh Faasil's Shakthi Sundaram represents the other side of the digital age — a mindset shaped entirely by metrics, influence, and control. Through him, the film critiques a world increasingly obsessed with followers, visibility, and behavioural prediction. Yet the

Narayanan uses the fictional surveillance programme "Periscope" not merely as a plot device, but as a symbol of a society slowly surrendering privacy and moral agency in exchange for efficiency and control. **The film's greatest strength lies in the way it connects technological advancement with ethical unease.**

writing remains balanced enough not to reduce him into a caricature. He becomes a product of the same technological culture the film is questioning.

One of the more compelling aspects of *Patriot* is its treatment of digital media itself. Daniel's YouTube platform, *Vimathan,* becomes a space for resistance and truth-telling. In doing so, the film acknowledges that technology can also serve democratic and ethical purposes. Narayanan does not reject digital culture outright; rather, he argues for responsibility, transparency, and accountability within it.

Technically, the film is impressive without becoming excessive. Sushin Shyam's haunting score sustains a mood of unease throughout, while Manush Nandan's cinematography captures a world where every space feels watched. Yet despite the film's scale, some of its most memorable scenes are remarkably quiet — conversations filled with hesitation, moral conflict, and emotional fatigue. These moments give the thriller its philosophical depth.

What makes *Patriot* particularly effective is that it never settles for easy optimism. It refuses to suggest that technology alone can solve human problems. Instead, the film insists that ethical responsibility must remain at the centre of technological progress. Laws, systems, and artificial intelligence cannot replace human conscience.

In the end, *Patriot* works as both an engaging political thriller and a timely reflection on the anxieties of the AI age. Mahesh Narayanan uses the story to raise important questions about privacy, surveillance, truth, and the growing influence of technology in our lives. At the centre of the film is a man who chooses conscience over compliance, reminding us that human judgement cannot be replaced by systems and algorithms.

What gives the film its strength is its emotional core. Beneath the suspense and politics, *Patriot* is ultimately about trust, empathy, and the need to protect human dignity in an increasingly automated world. The film leaves us with a simple but important reminder: technology may shape society, but humanity must still guide it.

Dr Dominic Joseph P. is an Assistant Professor at the Department of English, St. Xavier's College, Thumba.

LETTERS TO THE EDITOR

Pax Lumina 7(3)/2026/66

Dear Editor,

Thank you very much for sharing the issue.

I have reviewed May 2026 issue of Pax Lumina, and everything looks excellent. I truly appreciate the care in the editing and presentation.

Georgina Crispín
Mexico

Dear Editor,

We recently came across the March 2026 issue of Pax Lumina and found it very inspiring.

Melina Christellis
Germany

Dear Editor,

Pax Lumina is such a well thought out initiative and production, visually appealing and intellectually engaging. Congratulations

Prof. Peter de Souza
Kohima

Dear Editor,

Read the issue on "Art, Life and Peace." Excellent work, congratulations!!!! All the articles are unique in spreading this strong message. Of coruse, Art is a universal vital force for peace and tranquility. We must integrate this component into broader, long-term peacebuilding strategies

Prof. Sabu Thomas
Former Vicechancellor
Mahatma Gandhi University
Kottayam.

Dear Editor,

May 2026 issue is a wonderful recognition and promotion of Art and Society. Hearty congratulations to team Pax Lumina.

Saju George
Kolkata.

Dear Editor,

Thank you very much for sharing the March 2026 issue of PAX LUMINA.

We truly appreciate the opportunity to share our work and views with your readers. It is an honour to be included in this edition focused on Art, Life, and Peace.

Kapil Aswani
Rouble Nagi Art Foundation
Mumbai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LOYOLA INSTITUTE OF PEACE AND INTERNATIONAL RELATIONS (LIPI
Ponoth Road, Kaloor, Kochi - 682 017, Kerala, India

PEACE AND RECONCILIATION NETWORK
New Delhi, India

INDIAN SOCIAL INSTITUTE (ISI)
24 Benson Road, Benson Town
Bengaluru - 560 046