



Remaking the World - Toward an Age of Global Enlightenment

SPECIAL
KEYNOTE
SPEAKER
AMMA

SECRETARY OF THE
COMMONWEALTH OF
MASSACHUSETTS
WILLIAM F. GALVIN

SENATOR
ED MARKEY

FIRST CHIEF
UNITED NATIONS
ACADEMIC IMPACT
RAMU DAMODARAN

SENATOR
ELIZABETH WARREN

CONSUL GENERALS
IN BOSTON

SYMEON TEGOS
ARNALDO MINUTI
PETER ABBOTT
ALBERTO FIERRO-GARZA



**Celebration of the 90th Birthday
of Governor Michael Dukakis**

From the Massachusetts Miracle to AIWS
The Age of Global Enlightenment



(left to right) Symeon Tegos, Peter Abbott, Michael Dukakis



Tuan Nguyen



Swami Dayamritananda Puri and Ramu Damodaran



William F. Galvin



Krishnashree Achuthan



Thomas E. Patterson



David Silbersweig



(left to right) John Clippinger, Gilad Gressel, Swami Dayamritananda Puri, and Krishnashree Achuthan



Martin Nkafu Nkemnkia



"Many times I talk with him. He's my father, dear father, and dear leader."
— Tuan Nguyen, CEO Boston Global Forum

Governor Michael Dukakis and Tuan Nguyen

In the hallowed halls of Loeb House at Harvard University, an assembly of leaders, dignitaries, academics, and intellectual titans convened to celebrate a milestone: the 90th birthday of Governor Michael Dukakis. This grand occasion not only honored the lifetime achievements of one of Boston's most illustrious public servants but also marked his profound impact on the global stage. As the co-founder and Chair of the Boston Global Forum, Governor Dukakis has been a vanguard in championing global collaboration, particularly in the realm of artificial intelligence.

The celebration at Loeb House was more than a birthday party; it was a testament to Governor Dukakis's enduring legacy. His career, characterized by visionary leadership and unwavering commitment to public service, has left an indelible mark on both local and international communities. The gathering of such a diverse and distinguished group of individuals reflected the wide-reaching influence of his work and the deep respect he commands across various sectors.

Governor Dukakis, a son of Boston, has always been at the forefront of change. His tenure as governor saw transformative policies and initiatives that not only shaped the Commonwealth of Massachusetts but also set a precedent for effective governance. Beyond the borders of Massachusetts, his influence extended globally, particularly through his work with the Boston Global Forum. Under his leadership, the forum has become a crucible for ideas, fostering dialogue and cooperation on critical issues such as artificial intelligence, cybersecurity, and global governance.

The significance of Governor Dukakis's 90th birthday celebration extends beyond the commemoration of a personal milestone. It underscores the importance of dedicated public service and the role of intellectual discourse in shaping a better future. The event at Loeb House served as a platform for exchanging ideas, with presentations from esteemed attendees who shared insights and reflections on various global challenges. These discussions were not only a tribute to Governor Dukakis's contributions but also a continuation of his mission to promote understanding and collaboration among leaders worldwide.

This magazine, born from the spirit of that memorable event, aims to encapsulate the essence of the discussions and the wisdom shared. It will feature articles based on the presentations given by the distinguished guests, alongside memorable quotes that capture the ethos of the celebration. Each piece will reflect the depth and breadth of topics that Governor Dukakis has passionately engaged with throughout his career.

As we delve into the pages of this magazine, we invite readers to join us in honoring a remarkable individual whose life's work has transcended boundaries and inspired countless others. Governor Michael Dukakis's 90th birthday celebration is not just a milestone but a beacon of inspiration, urging us all to commit ourselves to the ideals of public service, intellectual rigor, and global cooperation. Through this publication, we aim to extend the legacy of Governor Dukakis, ensuring that his vision and values continue to influence and guide future generations.

“Human beings are like waves that frolic on the surface of the boundless ocean, yet know nothing of its depth or vastness.”



AMMA

As a revered spiritual figure, Amma's message resonates with a profound simplicity and depth. Addressing a diverse audience that includes professionals, academics, and dignitaries, Amma elucidates a philosophy that intertwines the essence of selfless service, the stewardship of our planet, and the harmonious coexistence of science, technology, and spirituality.

At the heart of Amma's teachings is the principle of 'Servant Leadership.' This concept, far from being a mere leadership strategy, is a way of life she embodies. Amma credits any positive impact she has made to herself and her 'children'—those who have embraced selfless love and service. Her singular wish is to offer solace to the suffering, a commitment she pledges to uphold until her last breath.

Amma's perspective on our relationship with Earth is both poetic and pragmatic. She views our planet as an "eternal divine flower," a shelter that generously sustains us through the challenges of changing seasons and weather. However, she poignantly questions humanity's stewardship of this gift, urging a reflection on whether we are protectors or destroyers of this precious boon.

According to Amma, the advancement of science and technology has led humanity to a crossroads. While these developments have endowed humans with god-like powers to fly like birds and swim like fish, they have eroded our ability to "walk and live like human beings." She warns that without the correct values to guide these advancements, they become double-edged swords, capable of self-destruction. Drawing from ancient wisdom, Amma likens human beings

to waves in the infinite ocean that is God—ephemeral yet integral parts of a vast, interconnected existence. She suggests that our internal and external conflicts arise from a lack of understanding of this fundamental oneness. In her view, spirituality is not an antithesis to science but a necessary complement, offering the expansiveness of perspective that logic and intellect alone cannot provide.

Amma's insights extend to the pitfalls of modern technology, especially its impact on the younger generation. She narrates a poignant story of a child whose excessive use of electronic devices led to mental illness. This narrative is a cautionary tale about the dangers of indiscriminate technology use. It underscores the need to balance "education for living" and "education for life"—a spiritual education that equips one to face life's trials and tribulations.

The interconnectedness of life and the imperative of compassion are central to Amma's message. She illustrates this through a parable of a frog, a goat, a pig, and a cow, demonstrating how a lack of compassion can lead to a chain of destructive consequences. This story is a metaphor for the interconnected nature of our actions and the far-reaching impact they can have.

In her concluding remarks, Amma emphasizes the need for gratitude, grace, and good deeds. She reminds us that the value of our lives is determined not by what we take but by what we give. Her call to action is simple yet profound: to offer a loving word, a compassionate glance, and a helping hand.

Amma's discourse is a tapestry of timeless wisdom woven with contemporary concerns. It is a call to awaken our inherent compassion, recognize our role as stewards of the Earth, and harmonize our scientific achievements with spiritual understanding. Her message transcends the boundaries of religion, culture, and socio-economic status, speaking directly to the core of human existence and our shared responsibility towards each other and the planet.

Amma's teachings offer a refreshing counterpoint in a world increasingly driven by technology and material success. She advocates for a life where technology and material possessions serve humanity, not vice versa. Her emphasis on discernment, especially in desires versus needs, encourages a mindful approach to consumption and lifestyle. The distinction she makes between a \$100 watch and a \$100,000 watch is a powerful metaphor for understanding the difference between necessity and extravagance.

Amma's perspective on culture and its role in nurturing inner growth is particularly relevant in today's globalized world. She likens culture to cultivating bacteria in a lab—requiring a conducive environment for growth. This analogy extends to the development of spiritual values, which she believes should start at home and continue in educational institutions. The anecdote of the child in the ashram giving away her cherished doll exemplifies the transformative power of spirituality in shaping young minds towards empathy and selflessness.

Amma's call for integrating spiritual values in education is philosophical and practical. She cites the example of her university's initiative, where students are sent to remote villages for internships. This exposure to different life conditions awakens compassion in the students, leading them to engage in charitable activities. This approach to education fosters a sense of global citizenship and responsibility, which is crucial in today's interconnected world.

Her teachings culminate in a profound understanding of the interplay between individual action, divine grace, and the collective good. The emphasis on self-effort and recognizing the limitations and possibilities inherent in every situation offers a balanced approach to life's challenges. Amma's message is clear: change begins within. By transforming our internal attitudes, we can positively change our external circumstances.

In conclusion, Amma's discourse presents a holistic vision for humanity that harmonizes the material and spiritual, the individual and the collective, science and spirituality. It is a vision that calls for a reawakening of compassion, reevaluating our priorities, and reaffirming our interconnectedness with all of life. Amma's message offers a pathway to a more compassionate, understanding, and sustainable future in a world fraught with conflict and division.



SWAMI DAYAMRITANANDA PURI

“Amma travels all around the world helping people, 39 million in the last 40 years, and she continues to do so.”



RAMU DAMODARAN

First Chief, United Nations Academic Impact

“When I was asked to devise it and lead it 15 years ago by Secretary General Ban-Ki Moon, he said, ‘You know, Ramu, there are some things that are beyond governments.’”



**SENATOR
ELIZABETH WARREN**

“Michael Dukakis took on some of our Commonwealth’s toughest battles with passion and persistence, making a key difference in the lives of millions across Massachusetts.”

I would not miss the opportunity to congratulate our good friend, Governor Michael Dukakis, and wish him a very, very happy 90th birthday. Throughout his decades-long career, Governor Dukakis has shown that he is a committed public servant, a tireless leader, and a strong voice for Massachusetts families. When he was first elected as governor back in 1974, he faced some of our Commonwealth’s toughest battles. Up against a record deficit and high unemployment, Governor Dukakis took these challenges on with passion and with persistence. And his leadership made a key difference in the lives of thousands, hundreds of thousands, millions of people across Massachusetts.

After retiring from politics, Michael brought that same passion and expertise to the classroom, teaching at UCLA, at the University of Hawaii, and at our own Northeastern University. Now, when I first decided to run for the United States Senate back in 2012, Michael sat down with me and he told me the right way to run a campaign. He said, run a grassroots campaign grounded in people, based in the neighborhoods, in the cities, in the towns, all across our state. I listened. In fact, that is exactly what I did. I have been lucky enough to count on Michael’s support since that very first campaign, and it’s made a world of difference. So let me say this one personally. Michael, thank you again for the work you do, day in and day out, to benefit families all across Massachusetts and all around the world.

Congratulations on this tremendous honor and I hope you have a very happy 90th birthday.



SENATOR ED MARKEY

“The Greeks may have invented democracy, but Mike Dukakis invented grassroots politics in Massachusetts.”

What a tremendous honor it is to be celebrating the birthday of the man, the legend, my friend, Michael Dukakis, and the kitty, the indomitable kitty. We know Mike would not be Mike without you, kitty. When Michael Dukakis became governor in 1974, we had been waiting for him. He was our generation’s leader. He was our conscience because he wasn’t just a thinker, he was a doer. As state representative, which I was then in 1974, as governor, what he has done for Massachusetts and the entire country is without measure, because you can’t spell Dukakis without do. And he is still a doer, through the Dukakis Center, through his work increasing access to transportation options, and all it affords for people to his tenacity in making the North-South Rail Link a reality for the region. We’ll get it done, Michael! He’s a model for the transportation systems he advocates for.

He doesn’t slow down. I know this first-hand from all of the work I’ve done with Mike and Kitty over all of the years. During my 2013 Senate race, we had a moment in Lowell where Kitty and Michael were in Lowell. And Michael was speaking to Cambodians in Lowell through a translator. He talked about the need for democratizing access to opportunity for everyone, especially immigrants. And he told the story of how his own father immigrated to Lowell from Greece to become a doctor. He was able to raise a child who could become governor of Massa-

chusetts. They could have a child who could be running for the presidency of the United States. And the Cambodian people in that room are all nodding their heads, hoping that the American dream could be part of their family’s history as well. And here’s what I know from that interaction. The Greeks may have invented democracy, but Mike Dukakis invented grassroots politics in Massachusetts. There’s an ancient Greek term called *agape*. It means giving yourself the ability to respond to human suffering.

And that’s what Michael Dukakis has done every day of his career and his life he has given immeasurably to the cities and towns of Massachusetts, to the people of Massachusetts and our country, and to our very democracy. To remind us that the potential of our state, our nation, and our democracy rests on our ability to harness the potential of our people and that is a commitment that Michael Dukakis has delivered on every day of his 90 years. In many ways, everyone who is here knows one thing, that Michael Dukakis just may be the organizing principle of all of our lives. That’s how powerful of an influence he’s had upon all of us and upon this world that we live in.

So, happy birthday, Michael. Have a wonderful time. You deserve it. But I know one thing. You’re not slowing down, and you never will.

MEMORANDUM OF UNDERSTANDING

AMRITA VISHWA VIDYAPEETHAM
BOSTON GLOBAL FORUM
MICHAEL DUKAKIS INSTITUTE



(left to right) Alison Richards, Ramu Damodaran, Nazli Choucri, Thomas Patterson, Tuan Nguyen, Swami Dayamritananda Puri, Krishnashree Achuthan, David Silbersweig, Gilad Gressel



KRISHNASHREE ACHUTHAN

Dean of Post Graduate Programs

In the realms of academic research and technology, few have made as significant an impact as Krishnashree Achuthan, the Dean of Amrita Vishwa Vidyapeetham. This institution, a beacon of excellence in India's educational landscape, stands out for its multi-disciplinary research and is ranked among the top research universities in India, and the world.

Under Achuthan's leadership, Amrita Vishwa Vidyapeetham has expanded its influence across eight campuses in five Indian states, with its central hub in Coimbatore, Tamil Nadu. This expansion is not just geographical but also encompasses a vast array of academic disciplines, contributing significantly to the university's reputation for excellence in research and education.

A pivotal aspect of Achuthan's role involves her participation as the India Coordinator for the Civil 20 - Technology Security and Transparency Working Group. This group is at the forefront of advocating for the integration of technology in enhancing societal wellbeing, emphasizing the importance of security and transparency. Its focus is on understanding the interplay between technology, security, and transparency, and how these factors can collectively contribute to societal progress.

Achuthan's influence extends beyond national borders, with Amrita Vishwa Vidyapeetham actively collaborating with top U.S. universities, including Ivy League institutions, and leading European universities. These collaborations foster a culture of knowledge exchange, innovation, and global perspective, essential in today's interconnected world.

Under her guidance, Amrita Vishwa Vidyapeetham has risen rapidly as one of India's fastest-growing higher education institutions, if not one of the world's. This growth is a testament to Achuthan's vision and commitment to excellence, as she continues to steer the university toward new horizons of academic and technological advancements. Her leadership not only shapes the future of the university but also leaves an indelible mark on the landscape of global education and research.

“The G20 is undergoing a change as we speak. It’s going to become the G21, with the African Union being part of it as well. It’s representing a significant part of the globe with 85% GDP.”

“He must have wisdom in him. If not, the Creator would not have allowed him to go up to 90 years. Many people don’t get to 10, 20, 30, and someone in Africa who goes up to that is worth listening to.”

MARTIN NKAFU NKEMNKIA

Professor, Philosopher, Theologian



“When you think of our history here in Massachusetts, you think of so many great historical figures, especially in the Revolutionary period...I think of one of the most remarkable public servants we ever produced was John Adams, who continued to serve for a long time. And his son, John Quincy Adams, the sixth President of the United States, who actually went back as a Member of the House of Representatives and died there because of his commitment to service. And Mike Dukakis is in that vein. He simply is, there is no other way to describe him.”

WILLIAM F. GALVIN

Secretary of the Commonwealth of Massachusetts



“I want to point out how proud all Greeks and Greek-Americans are of Governor Dukakis and his legacy.”

SYMEON TEGOS

Consul General of Greece in Boston



“Governor Dukakis is recognized as a leader in shaping the responsible and ethical use of artificial intelligence—one of the most important challenges of our time.”

ARNALDO MINUTI

Consul General of Italy in Boston



“The foundations that you laid, Governor, for a technology-driven economy here in Boston has benefitted not just Massachusetts, not just the United States, but the U.K. and the entire international community.”

DR. PETER ABBOTT OBE

British Consul General To New England





“Governor Dukakis has opened up spaces for the Mexican-American community to thrive in Massachusetts to contribute to this amazing hold of intellectual curiosity and discovery.”

ALBERTO FIERRO-GARZA

Consul General of Mexico in Boston

“We talk about the future. Let me remind you that the future is already here. We are slow at recognizing it, in large part, because we are still anchored in the 20th century and its legacies.”

NAZLI CHOUCRI

Professor of Political Science at MIT



“There is a group called The Collective Intelligence Project and I had the pleasure of working with them to use AI to enable us to have a stable conversation with people about the benefits and risks of AI.”

BETH SIMONE NOVECK

Professor at Northeastern University



JOHN CLIPPINGER

Strategic Advisor, Research Scientist
Co-Founder of BioForm Labs

“It cannot self-reflect. It cannot self-correct...aznd there’s no really independent scientific criteria for asking, ‘Is this a good model or not?’ This is engineering. It’s not science. Now, they’ve done some great innovations with that engineering and using scientific methods, but it’s still engineering. Importantly, it cannot explain or update itself. This is a black box. And in that black box, you have no idea what it’s doing and why it’s doing it.”

Boston Global Forum and Active Inference Institute: Integrated Science Technology and Policy

Role of computational and life sciences in formulating and testing policies

Policies as bounded, intentional and self corrective social technologies

Recognition of the interdependence of all living things at scale – avoidance of negative externalities

Providing new normative criteria based on computational neuroscience



THOMAS KEHLER
CEO and Co-Founder
CrowdSmart.ai

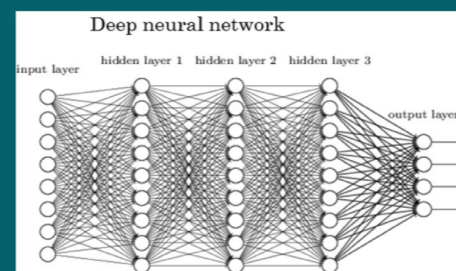
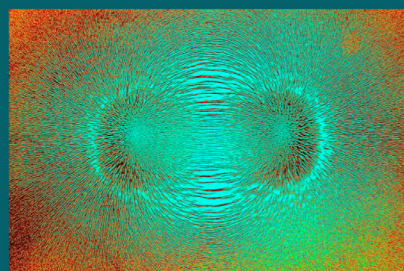
“The mathematics that governs the way magnets work, or the way birds flock, is the same mathematics that governs deep learning... we’re just tapping into the intelligence of how things collaborate.”



DAVID SILBERSWEIG
Stanley Cobb Professor of
Psychiatry at HMS

“We are in the era of The Human Connectome where are understanding like a complex neural network, complex AI or deep learning system how we are wired up.”

Natures intelligence:
emergent intelligence is built into natural laws



$$E = -\frac{1}{2} \sum_{i,j} w_{ij} s_i s_j - \sum_i \theta_i s_i$$

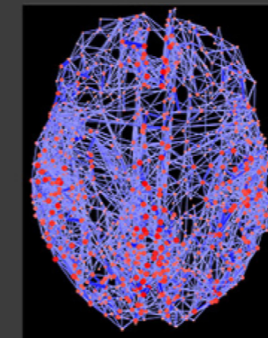
The physics of cooperative phenomena
– nature’s intelligence on how things cooperate.



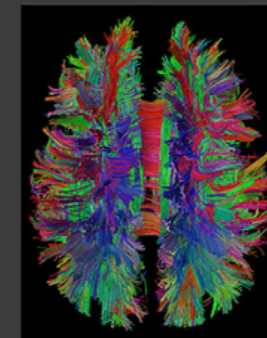
The Human Connectome



Anatomy
Klinger's method for fiber tract dissection uses freezing of brain matter to spread nerve fibers apart. Afterwards, tissue is carefully scratched away to reveal a relief-like surface in which the desired nerve tracts are naturally surrounded by their anatomical brain areas.



Connectome
Shown are the connections of brain regions together with “hubs” that connect signals among different brain areas and a central “core” or backbone of connections, which relays commands for our thoughts and behaviors.



Neuronal Pathways
A new MRI technique called diffusion spectrum imaging (DSI) analyzes how water molecules move along nerve fibers. DSI can show a brain's major neuron pathways and will help neurologists relate structure to function.

“Let me just say a few words about the state of the world, if I can, and where we’re headed. For whatever reason I’m somebody who believes strongly that the International Community working together can make this a better place and a better world. And do so not with conflict but with compassion.” – Governor Michael Dukakis



(left to right) Quynh Nham, David Silbersweig, Michael Dukakis, Tuan Nguyen

AIWS. City

Remaking the World - Toward an Age of Global Enlightenment

BOSTON
GLOBAL
FORUM
IDEAS THAT MATTER.

