Lucy Family Institute for Data & Society

THE Health AI Forum

October 6-8, 2025

Join us at the University of Notre Dame for the *Health AI Forum* as part of the **R.I.S.E. AI** Conference.

We will explore the unique health challenges faced by rural communities and discuss innovative solutions that bridge the digital divide.

UNIVERSITY OF NOTRE DAME

ABOUT THE FORUM

On October 6-8, 2025, the Lucy Family Institute for Data & Society is delighted to host the **Health AI Forum** as part of the inaugural **R.I.S.E. AI Conference** at the University of Notre Dame. In alignment with the research of the Institute's Health Data Exploration and Analytics Lab, the Forum will feature thematic sessions focused on rural healthcare and mental health of aging adults.

The world is in a transformative era, with AI revolutionizing industries, reshaping innovation, and unlocking opportunities once thought impossible. Its vast potential inspires optimism for a future where technology drives progress across industries, governments, NGOs, and society as a whole. However, with this promise comes significant responsibility. Concerns over bias, inequitable access, safety vulnerabilities, and ethical uncertainties highlight the urgent need for a guiding framework.

Join us as we explore the unique challenges faced by underserved communities, the impact of limited connectivity on economic and educational opportunities, and the exciting opportunities of AI innovation being implemented to bridge the digital divide.

CONTENTS

FORUM WEBSITE

THE R.I.S.E. AI FRAMEWORK

RESPONSIBLE

Stresses the importance of accountability, transparency, and a strong culture of responsibility in AI development and deployment to ensure alignment with societal values, clear understanding of decision-making, and ethical standards.

INCLUSIVE

Developing AI systems that are inclusive of all, including cultures and demographics, and SMEs that may not be represented in the AI development or deployment use cases.. It is important to ensure a representation in development and use.

SAFE

Developing AI systems that are robust and reliable that is they work as intended, without producing harmful errors; are secure that is they offer protection from being hacked, manipulated or misused; and are aligned with human intentions.

ETHICAL

Extending beyond technical safety to address moral implications, emphasizing principles like Autonomy, Beneficence, and Justice, upholding human dignity and privacy, ensuring AI decisions are explainable and understandable, and prioritizing the common good.

CONFERENCE

TRACKS

The RISE AI Conference features several different research tracks with panels and breakout sessions that enable a deeper exploration of each AI research area.

AI FOR SAFETY AND SAFETY OF AI

Research that intersects AI system deployment and safety.

EDUCATION AND WORKFORCE OF THE FUTURE

RISE AI in transforming education and the 21st century workforce.

FOUNDATION MODELS: AI FOR SCIENCE ADVANCES

Accelerating scientific discovery with large-scale AI models.

HEALTH AI AND THE IMPACT ON RURAL HEALTHCARE

Health challenges of data acquisition and application to dispersed communities.

HUMAN-CENTERED RESPONSIBLE AI

Design, development, study, and evaluation of human-centered AI.

REIMAGINING GLOBAL GOVERNANCE AND POLICYMAKING

Exploring AI's influence in governance and policymaking.

FORUM AGENDA

MONDAY, OCTOBER 6

1:00PM Arrival & Check-In | **McKenna 215/216 (Prefunction)**

4:00PM RISE AI Opening Ceremony | **McKenna 215/216**

Nitesh Chawla
- Frank M. Freimann Professor of Computer Science and Engineering; Founding Director, Lucy Family Institute for Data & Society; Lucy Family Director for Data and AI Academic Strategy, University of Notre Dame

Tracy Graham
- Founder, Managing Principal, Graham Allen Partners; University of Notre Dame Board Trustee

Rev. John Jenkins, C.S.C.
- Professor of Philosophy; President Emeritus, University of Notre Dame

John McGreevy
- Charles and Jill Fischer Provost, University of Notre Dame

Marty Rodgers
- U.S. Lead, Health & Public Service Client Group, Accenture; University of Notre Dame Board Trustee

5:00PM ***The Future of Healthcare: Integrating Human and Artificial Intelligence***
Keynote **McKenna 215/216**

Robyn Kress
- President, Ascension Foundation

Stacy Garrett-Ray, MD
- Senior Vice President and Chief Community Impact Officer, Ascension

6:15PM **Immersive ND Experience & Hors d'oeuvre Reception**
McKenna 205/206/207 & Prefunction

TUESDAY, OCTOBER 7

7:30AM **Coffee & Check-In | McKenna 215/216 (Prefunction)**

8:30AM
Keynote

AI powered Enterprise Reinvention: Accelerating value with scaled AI responsibly

McKenna 215/216

Arnab Chakraborty
> Co-CEO Telstra-Accenture Data & AI Joint Venture
> Chief Responsible AI Officer, Accenture

Dayle Stevens
> Co-CEO Telstra-Accenture Data & AI Joint Venture
> Executive for Data & AI, Telstra

9:40AM **Health AI Opening Session | McKenna 205/206/207**

Speakers:
- Michele Martin, Executive Director, Lucy Family Institute for Data & Society, University of Notre Dame
- Fang Liu, Notre Dame Collegiate Professor and Acting Chair, Applied Computational Mathematics and Statistics; Director, Health Data Exploration and Analytics Lab, Lucy Family Institute for Data & Society, University of Notre Dame

9:55AM
Health AI Keynote

Present and Future of Health AI: Mitigating Dangers While Maximizing Benefits for All

McKenna 205/206/207

Michael Pencina
> Professor of Biostatistics and Bioinformatics, Duke University School of Medicine

10:40AM **Health AI Roundtable Discussion:**
Emerging Applications of Data Science and Artificial Intelligence in Healthcare

McKenna 205/206/207

TUESDAY, OCTOBER 7

11:30AM Lunch | **Morris Inn Smith Ballroom**

1:00PM ***Shaping the Future of Voting with Technology Innovations***

Keynote **McKenna 215/216**

Juan Gilbert

> Andrew Banks Family Preeminence Endowed Professor, UF Distinguished Professor and Chair of the Computer & Information Science & Engineering Department, University of Florida

2:15PM Health AI Panel Session | **McKenna 205/206/207**

Every Person in Every Mile: Access to Data in Rural Communities

Moderator:
Fang Liu, Notre Dame Collegiate Professor and Acting Chair, Applied Computational Mathematics and Statistics; Director, Health Data Exploration and Analytics Lab, Lucy Family Institute for Data & Society, University of Notre Dame

Panelists:

- Jorge Leon, Senior Manager, Global Community Impact, Johnson & Johnson
- Lynne Nowak, Chief Data and Analytics Officer, Surescripts
- Cameual Wright, M.D. MBA, President, Indiana Market, CareSource

3:15PM Health AI: Overview of Innovathon & Breakout Sessions

McKenna 205/206/207
McKenna 201, 202, 204

Workshop Facilitators:

- Mamta Elias, Venture Build Director, Alloy Partners
- Shannon Huneke, Managing Director, S.P.H. Consulting, LLC
- Mike Joslin, Director, 1842 Studio & Fund, Alloy Partners
- Michael Wicks, Build Manager, 1842 Studio, Alloy Partners

TUESDAY, OCTOBER 7

5:00PM ***Where are We in the Journey to A Knowledgeable Assistant?***
Keynote **McKenna 215/216**

Xin "Luna" Dong
| ACM Fellow / IEEE Fellow; Chief Scientist at Meta Wearables AI

6:15PM **Poster Session 1 & Hors d'oeuvre Reception**
Morris Inn Smith Ballroom Prefunction & Private Dining Rooms

WEDNESDAY, OCTOBER 8

7:30AM **Coffee & Check-In | McKenna 215/216 (Prefunction)**

8:30AM ***Fireside Chat*** **| McKenna 215/216**
Keynote

Moderator:
Nitesh Chawla
Frank M. Freimann Professor of Computer Science and Engineering; Founding Director, Lucy Family Institute for Data & Society; Lucy Family Director for Data and AI Academic Strategy, University of Notre Dame

Father Paolo Benanti
| Third Order Regular Franciscan; Associate Professor of Ethics of AI, LUISS University

Aarti Singh
| Professor, Machine Learning Department, Carnegie Mellon University;
| Director, NSF AI Institute for Societal Decision Making

9:40AM ***Rural Health and Artificial Intelligence: Bridging Gaps, Empowering Communities***
Health AI Keynote **McKenna 205/206/207**

Ketan Paranjape
| Senior Vice President, Chief Operating Officer, Optum

WEDNESDAY, OCTOBER 8

10:30AM **Health AI Panel Session | McKenna 205/206/207**

Healing in Community: Addressing Loneliness & Mental Health for Sustainable Social Resilience

Moderator:
Shannon Huneke, Managing Director, S.P.H. Consulting, LLC

Panelists:

- Bukata Hayes, Vice President, Chief Community Health Officer, Blue Cross Blue Shield Minnesota
- Emily Ho, Assistant Professor, Medical Social Sciences, Northwestern University
- Shelley Kendrick, President & CEO, Ecumen
- Erwin Tan, Director, Thought Leadership, AARP

11:30AM **Lunch | McKenna 205/206/207 & Prefunction**

1:00PM
Keynote

Generative Computing: A principled approach for building robust secure and efficient GenAI applications
McKenna 215/216

Sriram Raghavan
Vice President, IBM Research for AI

2:15PM **Health AI Panel Session | McKenna 205/206/207**

Health AI in Action: Innovation In AI with the Mayo Clinic

Speakers:

- Emily Godsey, Administrator: Innovation & Digital Transformation, Mayo Clinic
- Scott Helgeson, Doctor of Medicine, Assistant Professor, Mayo Clinic

WEDNESDAY, OCTOBER 8

3:30PM — *Artificial Intelligence Meets the Healing Arts: Reimagining 21st Century Healthcare*

Health AI Keynote

McKenna 205/206/207

Michelle Hermiston

> Dean of the Collge of Health Sciences, VinUniversity

5:00PM — **Poster Session 2**

Morris Inn Smith Ballroom & Private Dining Rooms

6:15PM — **Closing Awards & Dinner**

Morris Inn Smith Ballroom

Nitesh Chawla

> Frank M. Freimann Professor of Computer Science and Engineering; Founding Director, Lucy Family Institute for Data & Society; Lucy Family Director for Data and AI Academic Strategy, University of Notre Dame

Rev. Nathan D. Wills, C.S.C.

> Associate Professor of the Practice, Institute for Educational Initiatives; Priest-in-Residence in Keough Hall; Football Chaplain, University of Notre Dame

The University of Notre Dame Glee Club

KEYNOTE SPEAKERS

FATHER PAOLO BENANTI

Third Order Regular Franciscan; Associate Professor of Ethics of AI, LUISS University

Roman, born in 1973, Paolo Benanti is a Third Order Regular Franciscan – TOR – and works on ethics, bioethics and ethics of technologies. In particular, his studies focus on the management of innovation: the Internet and the impact of the Digital Age, biotechnology for human improvement and biosafety, neuroscience and neurotechnology.

Benanti is an associate professor of the Ethics of AI at LUISS University. He was part of the Artificial Intelligence Task Force to assist the Agency for Digital Italy. He is a member of the Pontifical Academy for Life with a particular mandate for the world of artificial intelligence.

ARNAB CHAKRABORTY

Co-CEO Telstra-Accenture Data & AI Joint Venture; Chief Responsible AI Officer, Accenture

Arnab Chakraborty oversees strategy, market-leading capabilities, client engagements and technology ecosystem relationships and research partnerships related to responsible AI. Recently, Chakraborty took on the role to lead the Telstra-Accenture Joint Venture on Data & AI and is the Co-CEO of the Joint Venture.

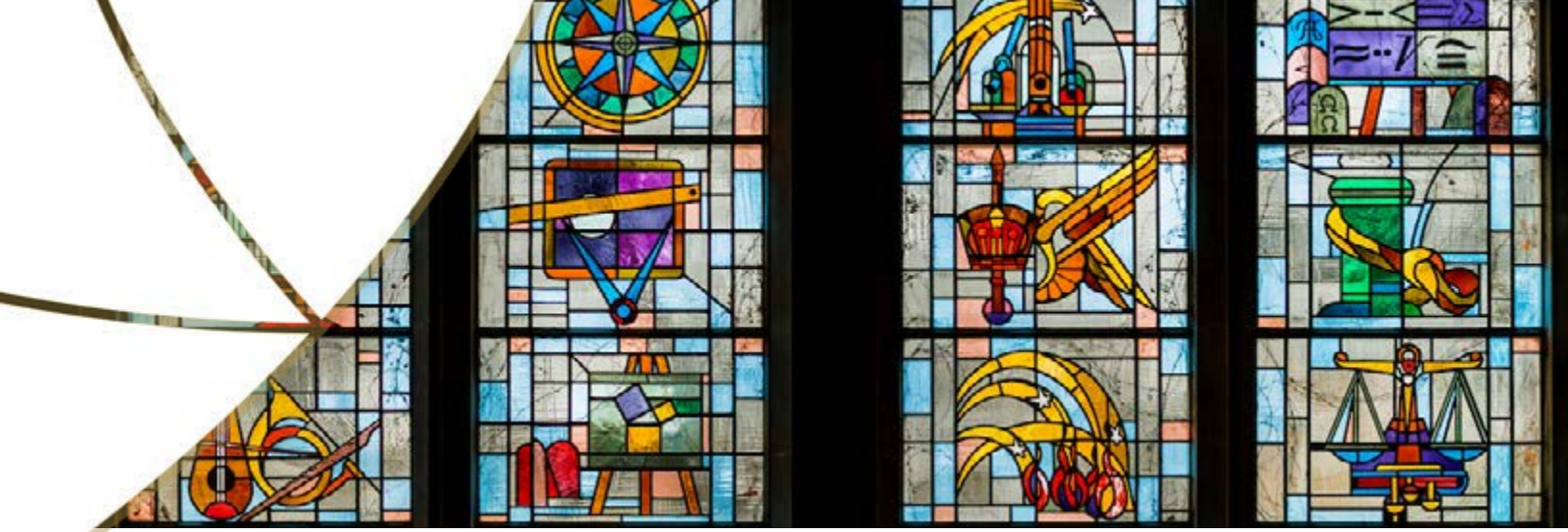
Arnab is a regular contributor to important conversations on AI regulation, including speaking to the U.S. Senate AI Insight Forum to address the impact and implications of AI on the workforce. He also led discussions on responsible AI at the World Economic Forum.

XIN "LUNA" DONG

ACM Fellow / IEEE Fellow; Chief Scientist at Meta Wearables AI

Xin Luna Dong leads machine learning efforts in building an intelligent personal assistant for wearable devices.

Before that, she spent more than a decade building knowledge graphs, including the Amazon Product Graph and the Google Knowledge Graph. She has co-authored books, "Machine Knowledge: Creation and Curation of Comprehensive Knowledge Bases," and "Big Data Integration." She was named an ACM Fellow and an IEEE Fellow for "significant contributions to knowledge graph construction and data integration," awarded the VLDB Women in Database Research Award and VLDB Early Career Research Contribution Award.



STACY GARRETT-RAY, M.D.

Senior Vice President, Chief Community Impact Officer, Ascension

Stacy Garrett-Ray, M.D. M.P.H., M.B.A. is Senior Vice President and Chief Community Impact Officer for Ascension nationally. In this role, Dr. Garrett-Ray leads strategies and initiatives to collaboratively address community needs, healthcare access, quality and experiences in addition to convening partnerships to invest in innovative program development to advance health equity and create positive multigenerational impact.

A board-certified family physician, Dr. Garrett-Ray previously served as Vice President/ Medical Director of the University of Maryland Medical System's Population Health Services Organization and President of their clinically integrated network.

JUAN GILBERT

Andrew Banks Family Preeminence Endowed Professor, University of Florida

Juan E. Gilbert is the Andrew Banks Family Preeminence Endowed Professor, UF Distinguished Professor and Chair of the Computer & Information Science & Engineering Department at the University of Florida where he leads the Computing for Social Good Lab. He is a Fellow of the Association of Computing Machinery (ACM), a Fellow of the American Academy of Arts and Sciences, a Fellow of the IEEE, a Fellow of the American Association of the Advancement of Science (AAAS), and a Fellow of the National Academy of Inventors.

Gilbert was named a laureate of the National Medal of Technology and Innovation by President Joe Biden. President Biden also appointed him to the National Science Board in 2024.

MICHELLE HERMISTON

Dean of the Collge of Health Sciences, VinUniversity

Michelle Hermiston is the Dean of the College of Health Sciences at VinUniversity in Hanoi, Vietnam where she is tasked with building infrastructure for cutting edge health research and leading development and implementation of innovative health sciences education.

Currently, in addition to her role as Dean, she serves as the Senior Advisor for Education for SIOP North America and Senior Advisor to the HDCC GCP.

ROBYN KRESS

President, Ascension Foundation

Robyn Kress joined Ascension in 2021 to establish the Ascension Foundation, bringing more than 20 years experience in fundraising, donor relationships and insight related to equity and inclusion.

A nationally sought after philanthropy expert, Robyn led marketing and event agencies, advising and supporting executive leaders and fundraising teams at elite organizations including Harvard Business School, Duke University, the Smithsonian Institution, and Children's Hospital Los Angeles to inspire high level giving for $1 billion+ fundraising campaigns.

KETAN PARANJAPE

Senior Vice President, Chief Operating Officer, Optum

Paranjape is the Senior Vice President and Chief Operating Officer of Enterprise Imaging at Optum, bringing 25 years of experience in developing and commercializing digital solutions across diverse industries.

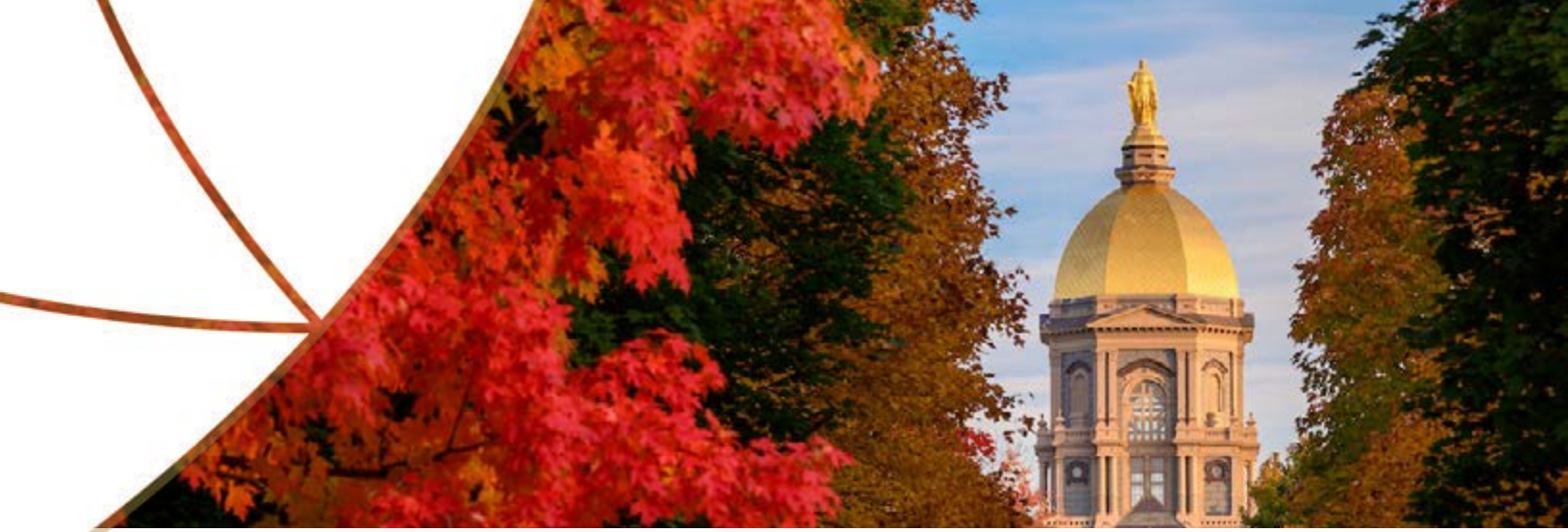
Prior to that he was the Vice President of Commercial Business Operations, Business Intelligence and Analytics at Roche and was the VP of Roche Information Solutions business focused on harnessing the power of data, diagnostics, and other critical information to support better clinical decisions. He is currently on the roster of experts on Digital Health at the World Health Organization.

MICHAEL PENCINA

Professor of Biostatistics and Bioinformatics, Duke University School of Medicine

Michael J. Pencina is Duke Health's chief data scientist and serves as vice dean for data science, director of Duke AI Health, and professor of biostatistics and bioinformatics at the Duke University School of Medicine. His work bridges the fields of data science, health care, and AI, and contributes to Duke's national leadership in responsible health AI.

Pencina is a globally recognized expert in evaluating AI algorithms. His work guides best practices for clinical decision support tools and informs guideline groups. He collaborates regularly with academic, industry, and government stakeholders.



SRIRAM RAGHAVAN

Vice President, IBM Research for AI

Sriram Raghavan leads a worldwide team of researchers who are advancing the field of AI and accelerating its applications to the digital transformation of enterprises. Raghavan is responsible for establishing and executing a wide-ranging research agenda that spans foundational and applied AI. He also has overall responsibility for the R&D portfolio and transfer of technology from IBM Research to IBM's $25B+ software business.

Prior to his current role, he was the Director of the IBM Research Lab in India and the CTO for IBM in India/South Asia.

AARTI SINGH

Professor, Carnegie Mellon University, Director, NSF AI Institute for Societal Decision Making

Aarti Singh is a Professor in the Machine Learning Department at Carnegie Mellon University and Director of the NSF AI Institute for Societal Decision Making. Her research lies at the intersection of machine learning, statistics and signal processing, and focuses on designing principled interactive algorithms for learning and decision making with application to scientific and societal domains.

Her work is recognized by an NSF Career Award, a United States Air Force Young Investigator Award, A. Nico Habermann Faculty Chair Award, Harold A. Peterson Best Dissertation Award, and multiple paper awards.

DAYLE STEVENS

Co-CEO Telstra-Accenture Data & AI Joint Venture; Executive Director of Data and AI, Telstra

Dayle Stevens is the Executive Director of Data and AI at Telstra. Recently, Stevens took on the role to lead the Telstra-Accenture Joint Venture on Data & AI as the Co-CEO of the Joint Venture.

Stevens has previously been the Chief Data Officer at AGL Energy, Divisional CIO and other roles at National Australia Bank, and as an IT consultant with PWC working all over the world helping businesses transform through the adoption of new technologies. She is also the Chief Ambassador for the Telstra Foundation, an Ambassador for Robogals and for Girl Geek Academy.

KEYNOTE ABSTRACTS

THE FUTURE OF HEALTHCARE: INTEGRATING HUMAN AND ARTIFICIAL INTELLIGENCE

Robyn Kress, President, Ascension Foundation
Stacy Garrett-Ray, M.D., Senior Vice President, Chief Community Impact Officer, Ascension

To solve healthcare's critical challenges, the future depends on a powerful partnership between humans and AI. Artificial intelligence has the potential to enhance precision and efficiency, freeing clinicians to focus on the indispensable human elements of empathy and complex care. At Ascension, we're working to harness the transformative power of AI to enhance the work of physicians and nurses today and prepare the healthcare workforce of tomorrow, in a collaboration that promises a more precise, effective, and compassionate healthcare system for all.

AI POWERED ENTERPRISE REINVENTION: ACCELERATING VALUE WITH SCALED AI RESPONSIBLY

Arnab Chakraborty, President, Co-CEO Telstra-Accenture Data & AI Joint Venture; Chief Responsible AI Officer, Accenture
Dayle Stevens, Co-CEO Telstra-Accenture Data & AI Joint Venture; Executive Director of Data and AI, Telstra

AI revolution is one of the most transformative forces in human history, with >$10T in economic value can be unlocked within 15 years. AI Reinvention is now a top priority at the board level and organizations like Telstra and Accenture are coming together to enable the bold move to create AI first enterprise across Telstra. In this keynote, the Co-CEOs of Telstra Data and AI JV will unpack the key pillars of Total Enterprise Reinvention that is powered by modernizing and scaling Data and AI powered solutions with responsible AI guard rails, enabling trust and adoption while activating significant enterprise value.

The keynote will bring to life the approach, real life AI solutions and outcomes achieved. The leaders will also highlight the key challenges and learnings from their bold and ambitious journey that can be translated across multiple industries.

THE PRESENT AND FUTURE OF HEALTH AI: MITIGATING DANGERS WHILE MAXIMIZING BENEFITS FOR ALL

Michael Pencina, Professor, Biostatistics & Bioinformatics, Duke University School of Medicine

Artificial Intelligence had the potential to transform life as we know and is taking many fields by storm. Its consequences, both opportunities and risks, might be most pronounced in human health. On the one hand, AI algorithms can aid detection of new cures and therapies, diagnose and predict future disease much faster than current practice and bring healthcare to parts of the country and world that suffer from the lack of access. One the other hand, if not deployed responsibly, with strict adherence to the highest ethical standards, AI can de-humanize or trans-humanize health and medicine and put most vulnerable members of society at further risk and disadvantage.

In this presentation we explore grounding principles that can guide responsible development and implementation of AI in health. Starting with the assumption that AI needs to serve the human person, we are argue for intentional governance grounded in quality, safety and transparency while at the same time promoting continued progress and innovation. We present emerging positive examples of responsible AI governance and point to future directions and areas of focus.

SHAPING THE FUTURE OF VOTING WITH TECHNOLOGY INNOVATIONS

Juan Gilbert, Andrew Banks Family Preeminence Endowed Professor, University of Florida

As AI and technology become more pervasive in our society, what is the future of technology in voting? Will we ever be able to vote online, if not why? What about the long lines for voting, can technology eliminate them? Voter ID has been an issue, can technology and AI help? In this talk, Dr. Gilbert will take a look at innovations from the lab and scientific findings of voting technologies to address these questions and many more.

WHERE ARE WE IN THE JOURNEY TO A KNOWLEDGEABLE ASSISTANT?

Luna Dong, Chief Scientist, Meta Wearables AI

For decades, multiple communities (Database, Information Retrieval, Natural Language Processing, Data Mining, AI) have pursued the mission of providing the right information at the right time. Efforts span web search, data integration, knowledge graphs, question answering. Recent advancements in Large Language Models (LLMs) have demonstrated remarkable capabilities in comprehending and generating human language, revolutionizing techniques in every front. However, their inherent limitations such as factual inaccuracies and hallucinations make LLMs less suitable for creating knowledgeable and trustworthy assistants.

RURAL HEALTH AND ARTIFICIAL INTELLIGENCE: BRIDGING GAPS, EMPOWERING COMMUNITIES

Ketan Paranjape, Senior Vice President, Chief Operating Officer, Optum

Artificial intelligence (AI) is emerging as a transformative force in rural health, offering innovative solutions to longstanding challenges of access, efficiency, and the quality of care. In regions where healthcare resources are scarce and populations are aging, AI-powered tools have begun to close the gap between rural residents and essential services. Notably, AI-driven telehealth platforms now enable virtual consultations and continuous monitoring for older adults, mitigating the effects of geographic isolation. Furthermore, AI chatbots and digital companions are providing real-time support, combating loneliness, and facilitating mental health interventions tailored to individuals' needs. For example, machine learning algorithms can proactively identify at-risk seniors, alert community care teams, and suggest personalized engagement activities, ensuring timely intervention before issues escalate. Community-based AI solutions also foster peer support networks and guide older adults toward accessible social opportunities. Through these advances, AI not only elevates the standard of rural healthcare but strengthens the social fabric, empowering older individuals to remain active, connected, and resilient in their communities. This keynote will explore the promise and pathways for harnessing AI in rural health, highlighting practical applications and the profound potential to enhance well-being among older rural populations.

GENERATIVE COMPUTING: A PRINCIPLED APPROACH FOR BUILDING ROBUST SECURE AND EFFICIENT GEN-AI APPLICATIONS

Sriram Raghavan, Vice President, IBM Research for AI

The emergence of increasingly powerful and capable large language models has led to a rapid evolution in the scale and sophistication of AI-powered applications. Over the last 12 months, we have seen generative AI apps evolve rapidly from simple chatbots and Q&A systems to more sophisticated assistants, agents, and even multi-agent systems. For a single end-user query, many of these applications utilize multiple iterative LLM calls, often to multiple models, interspersed with business logic and control flow. Yet, the programming paradigm for interacting with LLMs has largely remained rudimentary and based on highly brittle and laborious prompt engineering. This has resulted in systems built using massive hand crafted prompts that are highly error-prone, hard to maintain, insecure, and inefficient to execute.

In this session, we will introduce and describe a new generative computing paradigm that establishes a robust and well-defined programming model and software infrastructure for building LLM applications. Using real examples from enterprise use cases, we will show how generative computing enables a systematic approach to building AI agents, promoting better maintainability, security, efficiency (through LLM-software co-design), and quality (through the use of inference scaling techniques). We will also describe how we are enabling generative computing through a new programming library on top of IBM's Granite models.

ARTIFICIAL INTELLIGENCE MEETS THE HEALING ARTS: REIMAGINING 21ST CENTURY HEALTHCARE

Michelle Hermiston, Dean of the Collge of Health Sciences, VinUniversity

Artificial intelligence (AI) is revolutionizing healthcare for both health care providers and patients. For healthcare providers, AI is enhancing diagnostics, streamlining operations, and enabling personalized medicine. Its potential spans medical imaging, drug discovery, surgical robotics, virtual health assistants, and remote patient monitoring. AI is also empowering patients by providing personalized, plain-language health information and decision support, enabling more informed choices about treatment options. It facilitates proactive health management through continuous monitoring via wearables, personalized medication reminders, and symptom tracking. AI-driven tools can also improve health literacy with interactive educational content, support of navigation of the healthcare system via chatbots, and connection to peer support networks, ultimately shifting the dynamic to one where patients are more active partners in their care.

However, alongside these advancements, significant challenges persist. Key pitfalls include biases in AI algorithms due to limited or skewed training data, which can amplify disparities in patient care. Privacy concerns and ethical issues arise with the use of sensitive health data, while the lack of regulatory frameworks hampers widespread adoption. Additionally, the integration of AI into clinical workflows can face resistance from healthcare professionals due to fear of automation or technical complexity. Despite these challenges, AI's transformative potential in improving accuracy, accessibility, and efficiency in healthcare and empowering patients remains substantial. Addressing these pitfalls through equitable data practices, robust regulation, and clinician training will be critical to ensuring AI's responsible and impactful deployment in healthcare systems worldwide.

CONFERENCE COMMITTEES

Conference Chair:

- **Nitesh Chawla**, Frank M. Freimann Professor of Computer Science and Engineering; Founding Director, Lucy Family Institute for Data & Society; Lucy Family Director for Data and AI Academic Strategy, University of Notre Dame

Organizing Committee:

- **Martha Aikiriza**, Senior Administrative Coordinator, Lucy Family Institute for Data & Society, University of Notre Dame
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- **Matthew Hauenstein**, Assistant Research Professor, Lucy Family Institute for Data & Society, University of Notre Dame
- **Shannon Huneke**, Manager of Health Innovation, Accenture
- **Donovan Leiva**, Research Project Associate, Lucy Family Institute for Data & Society, University of Notre Dame
- **Katie Liu**, Assistant Director of Research Programs, Lucy Family Institute for Data & Society, University of Notre Dame
- **Michele Martin**, Executive Director, Lucy Family Institute for Data & Society, University of Notre Dame
- **Phillip Whelan**, Chief Data Officer in Residence, AETL, Lucy Family Institute for Data & Society, University of Notre Dame
- **Keegan Wolohan**, Program Coordinator, Lucy Family Institute for Data & Society, University of Notre Dame

Program Committee Chair:

- **Matthew Hauenstein**, Assistant Research Professor, Lucy Family Institute for Data & Society, University of Notre Dame

Program Committee:

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- **Diego Gómez-Zará**, Assistant Professor, Computer Science and Engineering, University of Notre Dame
- **Meng Jiang**, Frank M. Freimann Collegiate Professor of Computer Science and Engineering; Co-Director, FMAL, Lucy Family Institute for Data & Society, University of Notre Dame
- **Rick Johnson**, Associate Professor of the Practice & Managing Director, AETL, Lucy Family Institute for Data & Society, University of Notre Dame
- **Adam Kronk**, Director of Research and External Engagement, Institute for Ethics and the Common Good, University of Notre Dame
- **Valentina Kuskova**, Professor of the Practice and Associate Director, Lucy Family Institute for Data & Society, University of Notre Dame
- **Toby Jia-Jun Li**, Assistant Professor, Computer Science and Engineering; Director, HRAI Lab, Lucy Family Institute for Data & Society, University of Notre Dame
- **Cheng Liu**, Assistant Research Professor, Psychology, University of Notre Dame
- **Katie Liu**, Assistant Director of Research Programs, Lucy Family Institute for Data & Society, University of Notre Dame
- **Michele Martin**, Executive Director, Lucy Family Institute for Data & Society, University of Notre Dame
- **Nuno Moniz**, Associate Research Professor, Associate Director, DIAL Lab, Lucy Family Institute for Data & Society, University of Notre Dame
- **Matthew Sisk**, Director, C-GALL, Associate Professor of the Practice, Lucy Family Institute for Data & Society, University of Notre Dame
- **Dmitry Zaytsev**, Associate Professor of the Practice, Lucy Family Institute for Data & Society, University of Notre Dame
- **Xiangliang (Lynn) Zhang**, Leonard C. Bettex Collegiate Professor of Computer Science, Computer Science and Engineering; Co-Director, FMAL, Lucy Family Institute for Data & Society, University of Notre Dame

Advisory Committee:

- **Ahmed Abbasi**, Joe and Jane Giovanini Professor of IT, Analytics, and Operations; Academic Director of the Ph.D. Program in Analytics, IT, Analytics, and Operations, University of Notre Dame
- **Arun Agrawal**, Pulte Family Professor of Development Policy; Inaugural director of the Just Transformations to Sustainability Initiative, University of Notre Dame
- **Ying (Alison) Cheng**, Professor, Psychology; Fellow, Institute for Educational Initiatives, University of Notre Dame
- **Abby Cordova**, Associate Professor of Global Affairs, Keough School of Global Affairs, University of Notre Dame
- **Yong Suk Lee**, Associate Professor of Technology, Economy, and Global Affairs, Keough School of Global Affairs, University of Notre Dame
- **Fang Liu**, Notre Dame Collegiate Professor and Acting Chair, Applied Computational Mathematics and Statistics; Director, HEAL, Lucy Family Institute for Data & Society, University of Notre Dame
- **Brandon Rich**, Director of AI Enablement, Office of Information Technology, University of Notre Dame
- **Jason Rohr**, Ludmilla F., Stephan J., and Robert T. Galla College Professor & Department Chair, Biological Sciences, University of Notre Dame
- **Brett Savoie**, Coyle Mission Collegiate Professor of Engineering, Chemical and Biomolecular Engineering, University of Notre Dame
- **Thomas Stapleford**, Department Chair, Associate Professor, Program of Liberal Studies; Concurrant Associate Professor, History; Faculty, Program in History & Philosophy of Science, University of Notre Dame
- **Fanny Ye**, Galassi Family Collegiate Professor, Computer Science and Engineering, Associate Director of Applied Analytics, Lucy Family Institute for Data & Society, University of Notre Dame

OUR SPONSORS

We are thankful for the gracious support from our sponsors!

Thanks to their support, promising students from around the world are able to attend the and share their exciting and innovative AI research.

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- **Benjamin Fouch**, Vice President of Strategy and Operations at Polygon Composites Technology, an LDI Ltd. company
- **David Cieslak**, Chief Data Scientist, Aunalytics

ABOUT THE LUCY FAMILY INSTITUTE

MISSION

Guided by Notre Dame's Mission, the Lucy Family Institute adventurously collaborates on advancing data-driven and artificial intelligence (AI) convergence research, translational solutions, and education to ethically address society's vexing problems. As an innovative nexus of academia, industry, and the public, the Institute also fosters data science and AI access to strengthen diverse and inclusive capacity building within communities.

VISION

To become the preeminent intellectual beacon, inspiring collaborative, equitable, and impactful data and artificial intelligence innovations as a global force for good.

OUR GOALS

1. Become the epicenter where disciplines and expertise collide to inspire and perform socially responsible, ethical, and impactful data science and AI research, education and interdisciplinary applications.
2. Pursue emergent research questions and translational challenges to accelerate data-driven and AI solutions for society's wicked problems.
3. Design and implement ethical and inclusive data science education programs to build access, capacity and leadership.
4. Cultivate a driven, agile, and inclusive environment that enables all team members to thrive and collectively deliver on the Institute's goals.
5. Establish the Lucy Family Institute as a collaborative, mission-driven, global thought leader.

To learn more about the Lucy Family Institute for Data & Society, or, to subscribe to the Institute's weekly newsletter, please visit **lucyinstitute.nd.edu**

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