iDEA2026

Intelligent Data Engineering and AI

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3rd to 5th December 2026 | Jio Institute, Navi Mumbai, India

CONFERENCE SCHEDULE

DAY 1 | 3rd DECEMBER 2026

TIME	DETAILS
8:30 am – 9:45 am	**Registration & Breakfast**
9:45 am – 10:45 am	**Inauguration**
10:45 am – 11:45 am	**Keynote on** ***- Human-centered Multimodal Machine Intelligence*** **Dr. Carlos Busso** Professor, Language Technologies Institute Director, Multimodal Speech Processing (MSP) Laboratory Carnegie Mellon University Pennsylvania, USA
11:45 am – 12:00 pm	**Tea Break**
12:00 pm – 1:00 pm	**Keynote on** ***- Advancing Personalized Treatment Planning in Cancer with Machine Learning*** **Dr. Vaibhav Rajan** Senior Research Scientist (Machine Learning & Healthcare AI) Former Assistant Professor, National University of Singapore (NUS) Google DeepMind London, UK
1:00 pm – 2:00 pm	**Lunch**
2:00 pm – 3:00 pm	**Expert Talk on** ***- Operating System-as-a-Service: Evolution of AI-First Platforms for Complex Ecosystems*** **Dr. Shailesh Kumar** Dean, Jio Institute Chief Data Scientist, Centre of Excellence in AI/ML, Reliance Jio Maharashtra, India

DAY 1 | 3rd DECEMBER 2026

TIME	DETAILS
2:30 pm – 3:30 pm	**Paper Presentations · Parallel Tracks** Track 1: Intelligent Data Engineering & Big Data Track 2: Machine Learning & Deep Learning Track 3: Computer Vision & NLP Track 4: Ethical, Fair, and Responsible AI Track 5: AI Applications and Case Studies Track 6: Emerging Trends and Future Directions
3:30 pm – 3:45 pm	**Tea Break**
3:45 pm – 4:45 pm	**Panel Discussion 1** **- Beyond Generative AI: What Lies After Foundation Models?** This panel will explore the next frontier of artificial intelligence beyond current generative and foundation models, focusing on emerging paradigms such as world models and neuro-symbolic systems. The discussion will examine key challenges, including reasoning, autonomy, generalization, and alignment, while addressing the limitations of current large-scale models. The objective is to identify future research directions and breakthroughs that could define the next wave of AI and its real-world impact. **Speakers:** **Dr. Swapna Agarwal** Lead Data Science (AGM) (Data Science & Analytics) Flytxt, Delhi, India **Dr. Aditya Nigam** Associate Professor (School of Computing and Electrical Engineering) Indian Institute of Technology (IIT) Mandi Himachal Pradesh, India **Mr. Harsh Dhand** Director, AI Partnerships APAC (Strategic AI Partnerships) Google Central Region, Singapore **Dr. Qi Li** Associate Professor (Department of Computer Science) Iowa State University, Iowa, USA **Moderator:** **Dr. Hrishav Barua** Assistant Professor (Artificial Intelligence & Data Science) Jio Institute, Maharashtra, India

DAY 1 | 3rd DECEMBER 2026

TIME	DETAILS
4:45 pm – 5:05 pm	**Young Scientist Talk on** **- Optimization in the era of AI** **Dr. Mayank Baranwal** Senior Scientist (Optimization & AI) TCS Research Maharashtra, India
5:05 pm – 5:25 pm	**Young Scientist Talk on** **- Rethinking Foundation Model Adoption: From SAM-Mamba to Lite-π for Generalized Medical Image Segmentation** **Dr. Deepak Ranjan Nayak** Assistant Professor (Computer Science & Engineering) Malaviya National Institute of Technology (MNIT) Jaipur Rajasthan, India
5:25 pm – 5:50 pm	**Young Scientist Talk on** **- Towards Transparent and Understandable Robots** **Dr. Pradip Pramanick** PhD Student / Marie Skłodowska-Curie Doctoral Fellow (Robotics & AI) Researcher, PRISCA Lab (Interdepartmental Center for Advances in Robotic Surgery) University of Naples Federico II Campania, Italy
6:00 pm	**Poster Session for All & Student Poster**
7:15 pm onwards	**Networking Dinner**

DAY 2 | 4th DECEMBER 2026

TIME	DETAILS
8:30 am – 9:45 am	**Registration & Breakfast**
9:45 am – 10:45 am	**Keynote on** **- Social Media Data Analytics for Disaster Management"** **Dr. Sanjay Madria** Curators' Distinguished Professor (Department of Computer Science) Missouri University of Science and Technology Missouri, USA
10:45 am – 11:45 am	**Keynote on** **- AI Meets Quantum:** **Where Classical Intelligence Meets Quantum Computing** **Dr. Ritajit Majumdar** Research Scientist (Quantum Computing) IBM Quantum West Bengal, India
11:45 am–12:00 pm	**Tea Break**
12:00 pm – 1:00 pm	**Keynote on** **- Information Systems in the Era of SI** **Dr. Qi Li** Associate Professor (Department of Computer Science) Iowa State University Iowa, USA
1:00 pm – 2:00 pm	**Lunch**
2:00 pm – 3:00 pm	**Paper Presentations · Parallel Tracks** Track 1: Intelligent Data Engineering & Big Data Track 2: Machine Learning & Deep Learning Track 3: Computer Vision & NLP Track 4: Ethical, Fair, and Responsible AI Track 5: AI Applications and Case Studies Track 6: Emerging Trends and Future Directions
3:00 pm – 4:00 pm	**Expert Talk on** **- Designing Meaningful Human Experiences in the Age of AI** **Dr. Rupananda Misra** Professor & UXD Director (User Experience Design) Rutgers University New Jersey, USA

DAY 2 | 4th DECEMBER 2026

TIME	DETAILS
4:00 pm – 4:15 pm	**Tea Break**
4:15 pm – 4:40 pm	**Young Scientist Talk on** **- When Vision Models Fail: Building Robust, Explainable, and Trustworthy AI** **Mr. Vishesh Kumar** PhD Scholar (Data Science & Engineering) Indian Institute of Science Education and Research (IISER) Bhopal Madhya Pradesh, India
4:40 pm – 5:05 pm	**Young Scientist Talk on** **- Decoupling Visibility from Identity: The Next Frontier of Facial Privacy** **Dr. Akshay Agarwal** Assistant Professor (Data Science & Engineering) Indian Institute of Science Education and Research (IISER) Bhopal Madhya Pradesh, India
5:05 pm – 5:30 pm	**Young Scientist Talk on** **- Building Dynamic 3D Worlds: From NeRF to Gaussian Splatting** **Dr. Sandika Biswas** Scientist (Machine Learning & 3D Vision) TCS Research West Bengal, India
5:30 pm – 6:30 pm	**Panel Discussion 2** **- AI for Science and Engineering: Can Machines Drive Discovery?** This panel will examine the evolving role of AI in scientific and engineering discovery, moving beyond optimization toward hypothesis generation, experimentation, and knowledge creation. It will highlight applications in healthcare, climate science, materials discovery, and fundamental research, while exploring how AI can collaborate with scientists to accelerate innovation and reshape research methodologies. **Speakers** **Dr. D. Manjunath** Professor & Head of C-MInDS (Electrical Engineering & Machine Intelligence) Indian Institute of Technology (IIT) Bombay, Maharashtra, India

DAY 2 | 4th DECEMBER 2026

TIME	DETAILS
5:30 pm – 6:30 pm	**Dr. Avik Sarkar** Associate Professor (Data, Technology & Public Policy) Indian School of Business (ISB) Telangana, India **Dr. Shreya Ghosh** Assistant Professor (School of Electrical Sciences / Computer Science) Indian Institute of Technology (IIT) Kharagpur West Bengal, India **Dr. Carlos Busso** Professor, Language Technologies Institute Director, Multimodal Speech Processing (MSP) Laboratory Carnegie Mellon University Pennsylvania, USA **Moderator:** **Dr. Anuj Vora** Assistant Professor (Artificial Intelligence & Data Science) Jio Institute, Maharashtra, India
6:30 pm – 7:30 pm	**Elevator Pitch | Enlightening Talk**
7:30 pm onwards	**Networking Dinner**

DAY 3 | 5th DECEMBER 2026

TIME	DETAILS
8:45 am – 9:45 am	**Breakfast**
9:45 am – 10:45 am	**Keynote on** **- Multimodal Retrieval for Image Search and Video Moment Localization** **Dr. Manish Gupta** Principal Applied Researcher, Microsoft India Adjunct Faculty at IIIT Hyderabad Telangana, India
10:45 am – 11:45am	**Keynote on** **- Deployment Challenges in Deepfake Detection** **Dr. Abhinav Dhall** Associate Professor at Faculty of Information Technology Deputy Associate Dean (International) Monash University Melbourne, Australia
11:45 am–12:00 pm	**Tea Break**
12:00 pm – 1:00 pm	**Panel Discussion 3** **Young Scientist Talk on** **- What Does It Mean to Be a Scientist in the Age of AI?** As AI transforms scientific discovery and optimization, what remains uniquely human in the pursuit of knowledge? This panel brings together young researchers working at the intersection of AI and optimization to explore the limits of AI, the role of human creativity and critical thinking in scientific discovery, and how the next generation of scientists can shape a future where AI is both a powerful tool and a partner in research. **Speakers** **Dr. Sandika Biswas** Scientist (Machine Learning & 3D Vision) TCS Research, West Bengal, India **Dr. Pradip Pramanick** Scientist (Robotics & AI) University of Naples Federico II, Campania, Italy

DAY 3 | 5th DECEMBER 2026

TIME	DETAILS
12:00 pm– 1:00 pm	**Mr. Vishesh Kumar** Scientist (Data Science & Engineering) Indian Institute of Science Education and Research (IISER) Bhopal Madhya Pradesh, India **Dr. Akshay Agarwal** Assistant Professor (Data Science & Engineering) Indian Institute of Science Education and Research (IISER) Bhopal Madhya Pradesh, India **Dr. Deepak Ranjan Nayak** Assistant Professor (Computer Science & Engineering) Malaviya National Institute of Technology (MNIT) Jaipur, Rajasthan, India **Moderator:** **Dr. Mohna Chakraborty** Assistant Professor (Artificial Intelligence & Data Science) Jio Institute, Maharashtra, India
1:00 pm – 2:00 pm	**Gala Lunch**
2:00 pm – 2:45 pm	**Track Presentations · Parallel Tracks** Track 1: Intelligent Data Engineering & Big Data Track 2: Machine Learning & Deep Learning Track 3: Computer Vision & NLP Track 4: Ethical, Fair, and Responsible AI Track 5: AI Applications and Case Studies Track 6: Emerging Trends and Future Directions
3:00 pm – 4:00 pm	**Showcase Your Work | PhD Consortium**
4:00 pm – 4:15 pm	**Tea Break**
4:15 pm – 5:00 pm	**Certificates, Awards and Closing Ceremony**