ISB

Data mining

Algorithms

MACHINE LEARNING

Artificial intelligence

Statistics

Prediction

Scien

Analysis

2ND AI AND STRATEGY CONSORTIUM

VIRTUAL WORKSHOP | JANUARY 22 - 23, 2021

DAY 1 - FRIDAY, JANUARY 22, 2021

8.30 - 8.35 am	**Welcome Remarks**
8:35 - 8:40 am	**Rohini Srivathsa,** National Technology Officer, Microsoft India

Parallel Track 1: Governance of AI in firms **Duration: 2 hours 20 minutes; 8:40 - 11:00 am, EST**	
8.40 - 9:00 am	**The Janus Face of Artificial Intelligence Supervision: Deployment Versus Disclosure Effects on Employee Performance** **Nan Jia** (University of Southern California) Discussion led by **Ruth V. Aguilera**
9:00 - 9:20 am	**AI vs. Human Evaluation: Impact of Assessment Agent on Users' Idea Contribution and Innovation in Crowdsourcing** **Kenneth G. Huang** (National University of Singapore) Discussion led by **Kannan Srikanth**
9:20 - 9:30 am	Break
9:30 - 9:50 am	**Strategic Human Capital and Firm-level R&D Disclosure Strategy: Evidence from Artificial Intelligence Research** **Nuruddin (Nur) Ahmed** (Ivey Business School) Discussion led by **Riitta Katila**
9:50 - 10:10 am	**A Resource-based Theory of Hyperspecialization and Hyperscaling** **Gianluigi Giustiziero** (Frankfurt School of Finance & Management) **Deepak Somaya** (University of Illinois) Discussion led by **David Clough**
10:10 - 10:20 am	Break

Parallel Track 2: AI as a General-Purpose Technology - Firm & Economy-Wide Implications **Duration: 8:40 - 11:00 am, EST**	
8.40 - 9:00 am	**Could machine learning be a general-purpose technology?** **A comparison of emerging technologies using data from online job postings** **Florenta Teodoridis** (University of Southern California) Discussion led by **Arianna Marchetti**
9:00 - 9:20 am	**Occupational, Industry, and Geographic Exposure to Artificial Intelligence:** **A Novel Dataset and Its Potential Uses** **Manav Raj** (New York University) Discussion led by **Prothit Sen**
9:20 - 9:30 am	Break
9:30 - 9:50 am	**AI Adoption and Firm Performance: Management versus IT** **Sampsa Samila** (IESE Business School) Discussion led by **Rob Seamans**
9:50 - 10:10 am	**How does labor mobility affect business adoption of a GPT?** **The case of machine learning** **Natarajan Balasubramanian** (Syracuse University) Discussion led by **Kenneth G. Huang**
10:10 - 10:20 am	Break
10:20 - 11:00 am	**Joint Plenary panel discussion for both parallel tracks** **"Organizational adaptation and governance in the age of AI"** Discussion led by **Kathleen Eisenhardt,** Constance Helfat and **Ruth Aguilera** Moderator: **Prithwiraj Choudhury**

All timings are in EST (Eastern Standard Time).

DAY 2 - SATURDAY, JANUARY 23, 2021

Parallel Track 1: AI/ML Methodologies in Strategy Research **Duration: 2 hours 40 minutes; 8:30 - 11:10 AM, EST**	
8.30 - 8:50 am	**Supervised Machine Learning and Quasi Experimental Designs: Machine Learning-Matching Methods for Causal Inference in Strategy Research** **Riitta Katila** (Stanford University) Discussion led by **Bart Vanneste**
8:50 - 9:10 am	**The CEO Effect in Corporate Communication and Disclosures: How Large Is It?** **M V Shyam Kumar** (Rensselaer Polytechnic Institute) Discussion led by **Nan Jia**
9:10 - 9:20 am	Break
9:20 - 9:40 am	**Why Deep Learning and the End of Moore's Law are Fragmenting Computing** **Neil Thompson** (MIT) Discussion led by **Florian Ellsaesser**
9:00 - 10:00 am	**Platform Complexity and Acquisitions** **Sameer Borwankar** (Purdue University) Discussion led by **Phanish Puranam**
10:00 - 10:10 am	Break
10:10 - 10:30 am	**Who captures the value from organizational culture? Evidence from Glassdoor reviews and the universe of online job postings from Burning Glass Technologies** **Arianna Marchetti** (London Business School) Discussion led by **MV Shyam Kumar**

Parallel Track 2: Humans & AI - Are they Substitutes or Complements? **Duration: 2.5 hours; 8:30 - 11:00 AM, EST**	
8.30 - 8:50 am	**Algorithm-Augmented Work Performance and Domain Experience:** **The Countervailing Forces of Ability and Aversion** **Ryan Allen** (Harvard Business School) Discussion led by **Anita Williams Woolley**
8:50 - 9:10 am	**Digitally Nudging Team Processes to Enhance Collective Intelligence** **Anita Williams Woolley & Pranav Gupta** (Carnegie Mellon University) Discussion led by **Bala Vissa**
9:10 - 9:20 am	Break
9:20 - 9:40 am	**Reconciliation between Algorithm Aversion and Appreciation: Focusing on Experiential Learning and Cognitive Biases** **Kyootai Lee** (Sogang University) Discussion led by **Felipe Csazar**
9:00 - 10:00 am	**Compliance and the Returns to Algorithms** **Hyunjin Kim** (INSEAD) Discussion led by **Sampsa Samila**
10:00 - 10:10 am	Break
10:10 - 10:30 am	**Human and AI: knowledge worker performance and artificial intelligence** **Xi Kang** (INSEAD) Discussion led by **Mitali Bannerjee**
10:30 - 11:00 am	**Joint Plenary panel discussion for both parallel tracks** **"Organizational learning in the shadow of machine learning"** **Discussion led by D**an Levinthal, Thorbjørn Knudsen and Hart Posen Moderator: **Phanish Puranam**

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ABOUT INDIAN SCHOOL OF BUSINESS (ISB)

Indian School of Business (ISB) is a global Business school offering world-class management education across its two campuses - Hyderabad and Mohali. The School has grown at a rapid pace over the eighteen years since its inception and already has several notable accomplishments to its credit - it is the youngest school ever to consistently rank among the top Global MBA programmes, one among the select 100 global B-schools to have AACSB and EQUIS accreditation, one of the largest providers of Executive Education in Asia, and the most research-productive Indian management institution. A vibrant pool of research-oriented resident faculty, strong academic associations with leading global B-schools and the backing of an influential Board, have helped the ISB fast emerge as a premier global Business school in the emerging markets. The School is the dream of some of the best minds from the corporate and academic world. A strong support of associate schools - Kellogg School of Management, The Wharton School, the London Business School, MIT Sloan School of Management, The Fletcher School and other

global B schools has been a key factor that helped the ISB to emerge as a school offering the best of management education backed by cutting-edge research.

The ISB brand is now represented by a network of 10600+ accomplished PGP, PGPMAX, and PGPMFAB alumni and more than 40,000 from the Executive Education Programmes, working in leading companies, government and non-profits spread across 40 plus countries and upwards of 400 alumni running their own ventures. In addition to its flagship Post Graduate Programme in Management (PGP), the School has also introduced several new postgraduate programmes over the years targeting a cross-section of aspiring leaders and professionals.

The CIE at ISB aims to foster a vibrant ecosystem for the creation & growth of enterprises through Research, Education and Practice. The CIE seeks to contribute, both to the advancement of knowledge and the practice of Innovation and Entrepreneurship.

Conference Chairs:
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