Microsoft Research Faculty Summit 2017 The Edge of Al



Monday, July 17

7:30-8:30	Breakfast	MCKINLEY
8:30-8:40	Welcome Speakers: Christopher Bishop, Evelyne Viegas	KODIAK
8:40–9:10	Al in the Open World Chair: Christopher Bishop Speaker: Eric Horvitz	KODIAK
9:10–10:10	Smart Enough to Work With Us? Foundations and Challenges for Teamwork-Enabled Al Systems Chair: Susan Dumais Speaker: Barbara Grosz	KODIAK
10:10–10:40	Technology Showcase – Lightning Round Chair: Roy Zimmermann	KODIAK
10:40–11:00	Break	
10:40–11:00 11:00–12:30	Break Breakout Sessions	
		CASCADE
	Breakout Sessions Machine Reading Using Neural Machines Chair: Lucy Vanderwende Speakers: Isabelle Augenstein, Jianfeng Gao,	RAINIER

The schedule may have changed since the time of printing. Please visit MicrosoftFacultySummit.com for the most current schedule.

12:30–1:15	Lunch	MCKINLEY
1:15–3:15	Technology Showcase Chair: Roy Zimmermann	HOOD/BAKER
3:15-4:45	Breakout Sessions	
	Conversational Systems in the Era of Deep Learning and Big Data Chair: Bill Dolan Speakers: Jackie Chi Kit Cheung, Michel Galley, Ian Lane, Alan Ritter, Lucy Vanderwende, Jason Williams	CASCADE
	From Visual Sensing to Visual Intelligence Chair: Gang Hua Speakers: Rama Chellappa, Katsu Ikeuchi, Song-Chun Zhu	RAINIER
	Learnings from Human Perception Chair: Mar Gonzalez-Franco Speakers: Olaf Blanke, Mel Slater, Ana Tajadura-Jiménez	ST. HELENS
5:00–5:45	Fireside Chat Chair: Sandy Blyth Speakers: Christopher Bishop, Harry Shum	KODIAK
5:45-6:30	Travel to Dinner	
6:30–9:00	Dinner at The Golf Club at Newcastle	

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Tuesday, July 18

7:30-8:30	Breakfast	MCKINLEY
8:30–9:30	The Interplay of Agent and Market Design Chair: Kori Inkpen Speaker: Amy Greenwald	KODIAK
9:45–11:15	Breakout Sessions	
	Provable Algorithms for ML/AI Problems Chair: Prateek Jain Speakers: Sham Kakade, Ravi Kannan, Santosh Vempala	CASCADE
	Private Al Chair: Ran Gilad-Bachrach Speakers: Rich Caruana, JungHee Cheon, Kristin Lauter	RAINIER
	Al for Earth Chair: Lucas Joppa Speakers: Tanya Berger-Wolf, Carla Gomes, Milind Tambe	ST. HELENS
11:30–1:00	Breakout Sessions	
	Microsoft Cognitive Toolkit (CNTK) for Deep Learning Chair: Chris Basoglu Speakers: Sayan Pathak, Yanmin Qian, Cha Zhang	CASCADE
	Al and Security Chair: David Molnar Speakers: Taesoo Kim, Dawn Song, Michael Walker	RAINIER
	Social and Emotional Intelligence in AI and Agents Moderator: Mary Czerwinski Panelists: Justine Cassell, Jonathan Gratch, Daniel McDuff, Louis-Philippe Morency	ST. HELENS

1:00–2:00	Lunch	MCKINLEY
2:00-3:30	Breakout Sessions	
	Transforming Machine Learning and Optimization through Quantum Computing Chair: Krysta Svore Speakers: Helmut Katzgraber, Matthias Troyer, Nathan Wiebe	CASCADE
	Challenges and Opportunities in Human-Machine Partnership Chair: Ece Kamar Speakers: Eric Horvitz, Subbarao Kambhampati, Milind Tambe	RAINIER
	Towards Socio-Culturally Aware Al Chair: Kalika Bali Speakers: Cristian Danescu-Niculescu-Mizil, Daniel McDuff, Christopher Potts	ST. HELENS
3:45-4:45	Al, People and Society Moderator: Eric Horvitz Panelists: Solon Barocas, Carla Gomes, Percy Liang, Gireeja Ranade	KODIAK
4:45–5:45	Model-Based Machine Learning Chair: Eric Horvitz Speaker: Christopher Bishop	KODIAK
5:45–6:00	Closing Remarks Speakers: Christopher Bishop, Evelyne Viegas, Roy Zimmermann	KODIAK

Technology Showcase

- 1 AI for Earth Classification
- 2 Customizing Speech Recognition for Higher Accuracy Transcriptions
- 3 Microsoft Translator live
- 4 Mobile Directions Robot
- 5 Human-Robot Collaboration
- 6 Project Malmo Experimentation Platform for the Next Generation of Al Research
- 7 Project InnerEye Assistive Al for Cancer Treatment
- 8 Custom Vision Service
- 9 InstaFact Bringing Knowledge to Office Apps
- 10 Machine Reading Comprehension over Automotive Manual
- 11 Bing Visual Search

Photo Booth

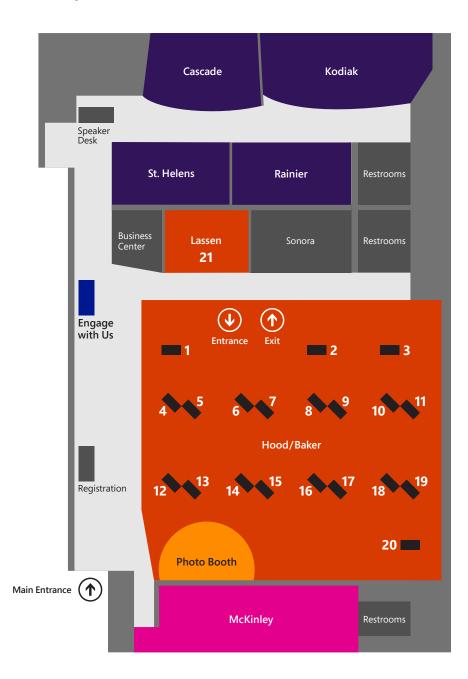
Be sure to stop by our photo booth and strike a pose.

- 12 Microsoft Pix
- 13 Deep Artistic Style Transfer: From Images to Videos
- 14 Interactive Chinese Learning App
- 15 Zo Al
- 16 Machine Teaching Using the Platform for Interactive Concept Learning (PICL)
- 17 Accelerating DNNs on FPGAs with Hardware Microservices
- 18 DeepFind: Searching within Documents to Answer Natural Language Questions
- 19 InfoBots: AI-Powered Conversational QnA System
- 20 Cortana, Your Personal Assistant
- 21 Tutorial: Platform for Situated Intelligence

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Microsoft Research

Together, we can achieve more

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