

Microsoft Research

Faculty Summit

2016 | Agenda



Wednesday, July 13

8:00 – 9:00	Breakfast Location: McKinley
9:00 – 10:00	Microsoft Vision Fireside Chat Location: Kodiak Chair: Daron Green Speakers: Jeannette M. Wing, Satya Nadella
10:00 – 10:30	The Next 25 Years of Computing Research Location: Kodiak Speaker: Peter Lee
10:30 – 11:00	Break
11:00 – 11:45	Hot Topics Location: Kodiak Chair: Jeannette M. Wing Generating Natural Questions About an Image – Lucy Vanderwende CryptoNets: Machine Learning Inference on Encrypted Data – Ran Gilad-Bachrach Everest: Deploying Verified-Secure Implementations in the HTTPS Ecosystem – Bryan Parno, Nikhil Swamy Molecular Programming – Neil Dalchau
11:45 – 12:00	Recognizing Achievements and Collaborations Location: Kodiak Speaker: Rick Rashid
12:00 – 1:00	Lunch Location: McKinley
1:00 – 3:30	Design Expo Location: Kodiak
1:00 – 2:30	Breakout Sessions
	Meeting the Challenge of Educating Data Scientists Location: Cascade Moderator: Kristin Tolle Panelists: Joshua Bloom, Magdalena Balazinska, Kathleen McKeown, Rob Mauceri
	The BBC micro:bit Location: St. Helens Chair: Tom Ball Speakers: Joe Finney, Ben Shapiro
	Systems and Artificial Intelligence Location: Rainier Chairs: Evelyne Viegas, Lidong Zhou Speakers: Dan Bohus, John Langford, Rangan Majumder, Eric Xing
	Computational Problems in Healthcare and Biomedicine Location: Lassen Chair: Jennifer Listgarten Speakers: Nicolo Fusi, Dana Pe'er, Eran Segal

2:30 – 2:45	Break
2:45 – 4:15	Breakout Sessions
	<p>Cameras Everywhere! Video Analytics at Scale Location: Baker Chair: Ganesh Ananthanarayanan Speakers: Peter Bodik, Ryan Calo, Juan Carlos Niebles, Josh Smith</p>
	<p>Optical Networks for the Cloud Location: Lassen Chairs: Paolo Costa, Monia Ghobadi Speakers: Jeff Cox, Ian White Ming Wu</p>
	<p>Personalized Computing with Interconnected Wearables Location: Cascade Chair: Shoaib Mohammed Speakers: Roozbeh Jafari, Jessica Lundin, Joseph Paradiso</p>
	<p>The Future of Work: Societal Challenges Location: St. Helens Moderator: Mary Gray Panelists: Chris Benner, Meredith Ringel Morris, Winifred Poster,</p>
	<p>How to Keep your Genome Secret Location: Rainier Chair: Melissa Chase Speakers: Emiliano De Cristofaro, XiaoQian Jiang, Kim Laine</p>
4:30 – 5:30	<p>Enabling Breakthrough and Disruptive Technologies Location: Kodiak Moderator: Victor Bahl Panelists: David Culler, Susan B. Davidson, John Launchbury, Norman A. Whitaker</p>
5:30 – 6:30	Travel to Seattle
6:30 – 9:00	Dinner Event at The Museum of Flight

Thursday, July 14

8:00 – 9:00	Breakfast Location: McKinley
9:00 – 10:00	Research in the Cloud Location: Kodiak Chair: Daron Green Speaker: Mark Russinovich
10:00 – 10:45	Government Access to Encrypted Data Location: Kodiak Moderator: Josh Benaloh Panelists: Ernie Brickell, Scott Charney, Susan Landau
10:45 – 11:15	Break
11:15 – 12:15	Future Visions Fireside Chat Location: Kodiak Speakers: Harry Shum, Bill Gates
12:15 – 2:30	Technology Showcase Location: Hood
12:15 – 1:15	Lunch Location: McKinley
2:30 – 4:00	Breakout Sessions
	Transport Protocols for Hyper-scale Networks Location: Lassen Chair: Jitu Padhye Speakers: Mohammad Alizadeh, Vishal Misra, Keith Winstein
	Spatial Audio for Augmented and Virtual Reality Location: Rainier Chair: Ivan Tashev Speakers: Mark Billinghurst, Ramani Duraiswami, Hannes Gamper
	Computing with Exotic Technologies and Platforms Location: Baker Chair: Krysta Svore Speakers: Jan Gray, David Soloveichik, Dave Wecker
	Machine Reading for Science and Society Location: Cascade Chair: Chris Quirk Speakers: Oren Etzioni, Hoifung Poon, Chris M. Re
	Supporting Big Tasks Through Microtasks Location: St. Helens Chair: Andrés Monroy-Hernández Speakers: Jeff Bigham, Michael Bernstein, Jaime Teevan

4:00 – 5:30	Breakout Sessions
	<p>Building Reliable Next-Generation Mobile and Cloud Applications Location: Cascade Chair: Suman Nath Speakers: Mayur Naik, Lenin Ravindranath Sivalingam, Junfeng Yan</p>
	<p>Building Practical Verified Systems Location: Baker Chair: Chris Hawblitzel Speakers: Bryan Parno, Zachary Tatlock, Xi Wang, Nickolai Zeldovich</p>
	<p>Big Data: What's Next? Location: Rainier Chair: Surajit Chaudhuri Speakers: Jignesh Patel, Matei Zaharia, Lidong Zhou</p>
	<p>Complete Learning Systems Location: St. Helens Chair: Lin Xiao Speakers: Joseph Gonzalez, John Langford, Patrice Simard</p>
5:30 – 8:30	<p>Microsoft Research: Celebrating 25 Years Location: McKinley</p>

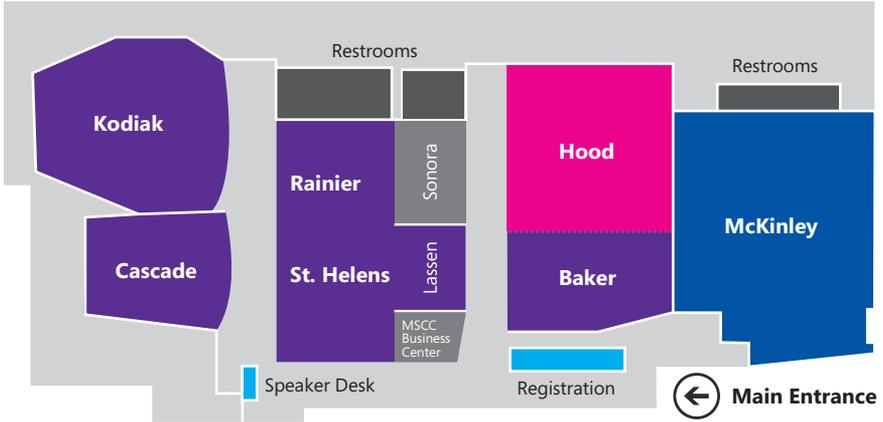
Technology Showcase

1. Microsoft Academic: research more, search less
2. Microsoft Cognitive Services: intelligence at your fingertips
3. Project Malmo - Experimentation platform for the next generation of AI research
4. Quantum computing: **LIQUi|**
5. Systems exhibits from applied sciences
6. Spatial audio for augmented and virtual reality
7. Local knowledge: events and shopping
8. Introducing [Microsoft.com/research](https://microsoft.com/research)
9. The BBC micro:bit and Microsoft Touch Develop
10. Expert-level plant recognition engine
11. Azure for Research
12. IoT solutions for smart agriculture
13. Programming by Examples applied to Data Wrangling
14. Madoko: scholarly documents in Markdown
15. Rich experiences and insights powered by the Office Graph
16. Reinvent Enterprise Productivity with Delve Analytics and Workplace Analytics
17. Embedded social
18. When big data meets health and wellbeing
19. Future of Work: supporting collaborative writing with microtasks
20. Microsoft Translator – automatic text and speech translation
21. Real-time video analytics for smart cities
22. Building a datacenter scale analytics platform
23. Engage with Microsoft Research
24. Research Internships and Fellowships
25. Microsoft Store – Latest and Greatest Microsoft Devices

Map

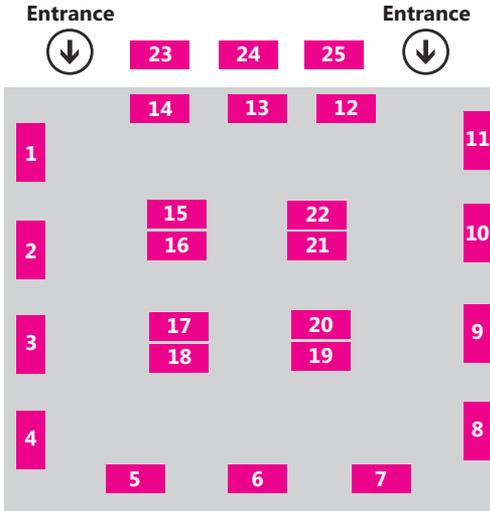
Microsoft Conference Center

Location: Building 33



Technology Showcase

Location: Hood



Microsoft Research Faculty Summit 2016

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Partnering with Microsoft Research

As we continue to push the boundaries of the field of computing, we also continue to look for impactful ways to engage with you. Today's opportunities are in many ways more exciting than those of 25 years ago. During all these years, our research has been built on strong relationships and collaborations with academia.



Competitions
and awards



Scholarships
and fellowships



Academic
resources

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