



# Program

August 1-3, 2024  
Oregon State University  
Corvallis, Oregon, USA

# Contents

<b>Statement on Conduct</b>	<b>3</b>
<b>Useful Information</b>	<b>4</b>
Conference Venue and Access . . . . .	4
Parking on Campus . . . . .	4
Internet Access . . . . .	4
Poster Presentation and Flash Talks . . . . .	7
Housing . . . . .	7
Health and Safety information . . . . .	8
Preparing to Teach Workshop . . . . .	8
Transportation to Downtown Portland . . . . .	8
<b>Speakers and Panelists</b>	<b>9</b>
<b>Schedule</b>	<b>10</b>
<b>List of Talks</b>	<b>13</b>
<b>Local Information</b>	<b>15</b>
<b>Acknowledgements</b>	<b>16</b>
Organizers . . . . .	16
Co-Organizers . . . . .	16
Student Volunteers . . . . .	16
Off-site Organizers . . . . .	16
Sponsors . . . . .	17

# Statement on Conduct

The 2024 IMS NRC conference committee and organizers are dedicated to providing a space and program for attendees and speakers to engage in the open exchange of ideas, the freedom of thought and expression, and respectful scientific debate. We value the participation of every member of the conference and want all who attend to have an enjoyable and rewarding experience. We ask that participants extend respect, courtesy, and compassion to other attendees, regardless of whether or not opinions differ.

Every attendee, speaker, exhibitor, organizer, and volunteer at any event or activity connected with NRC is expected to abide by this Code of Conduct:

"The 2024 Institute for Mathematical Statistics New Researchers Conference provides a harassment-free conference experience for everyone, regardless of gender, sexual orientation, disability, physical appearance, body size, race, or religion. We do not tolerate harassment of conference participants in any form. All communication will remain appropriate for a professional audience of any background. We do not permit the following behaviors at any time during the conference, in any conference venue and conference communication channels, including conference housing and social media: using sexual language or imagery; insulting, maligning, or harassing other attendees; or telling sexist, racist, or exclusionary jokes."

Conference staff will enforce this Code throughout the event and may ask anyone violating this Code to leave the conference. Please contact Yuan Jiang ([yuan.jiang@oregonstate.edu](mailto:yuan.jiang@oregonstate.edu)) or Taeb Armeen ([ataeb@uw.edu](mailto:ataeb@uw.edu)) to report any issues.

Thank you for helping make the NRC a positive, inclusive, and appropriate experience for all who attend.

# **Useful Information**

## **Conference Venue and Access**

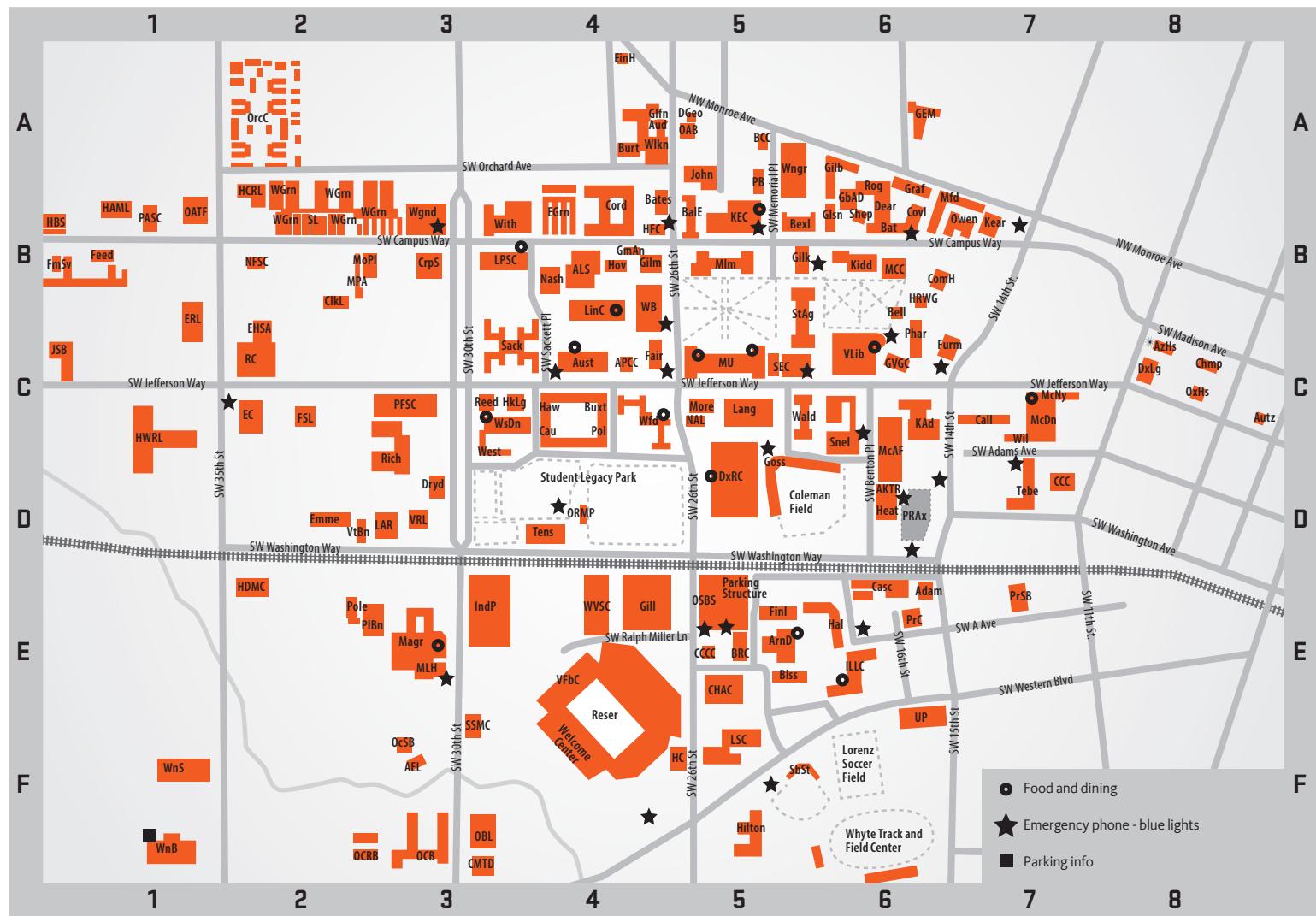
The NRC will be held in the LaSells Stewart Center, Oregon State University, located in 875 SW 26th Street, Corvallis, OR 97331-3101. This is the building LSC on the campus map (coordinate F5) on page 5.

## **Parking on Campus**

Participants can choose to park in Parking Lot C opposite to the LaSells Stewart Center or Parking Lot B1 close to the Tebeau Hall if you choose to drive (see the university parking map on page 6). Visitor parking permits can be purchased through the OSU Transportation Services: <https://transportation.oregonstate.edu/parking/visitors>.

## **Internet Access**

Wi-Fi will be available during the conference. The *Eduroam* network is available on campus. For users that cannot access Eduroam, please refer to the instructions posted on site for access to Wi-Fi set up for this conference.



Adams Hall.....	Adam.....E6	Einerson House.....EinH.....A4	Lang.....C5	Purchasing.....PrSB.....E7
A.A "Red" Emerson Advanced Wood Products Lab.....	Emme.....D2	Energy Center.....EC.....C2	The LaSells Stewart Center.....LSC.....F5	Radiation Center.....RC.....C2
Aero Engineering Lab.....	AEL.....F3	Environmental Health and Safety Annex.....EHSA.....C2	Learning Innovation Center.....LInC.....B4	Reed Lodge.....Reed.....C3
Agricultural and Life Sciences Building.....	ALS.....B4	EPA Environmental Research Lab.....ERL.....C1	Linus Pauling Science Center.....LPSC.....B3	Reser Stadium.....Reser.....E4
Asian and Pacific Cultural Center.....	APCC.....C4	Fairbanks Hall.....Fair.....C4	Lorenz Soccer Field.....F6	Richardson Hall.....Rich.....D3
Austin Hall.....	Aust.....C4	Finley Hall.....Finl.....E5	Lonnie B. Harris Black Cultural Center.....BCC.....A5	Rogers Hall.....Rog.....B6
Autzen House.....	Autz.....C8	Forest Sciences Lab.....FSL.....D2	Magruder Hall.....Magr.....E3	Sackett Hall.....Sack.....C3
Azalea House.....	AzHs.....C8	The Gen.....Gem.....A6	Magruder Lecture Hall.....MLH.....E3	Samaritan Sports Medical Center.....SSMC.....E3
Ballard Extension Hall.....	BalE.....B5	George W. Peavy Science Center.....Pvy.....D3	Marketplace West Dining Center.....WsDn.....D3	Seed Lab.....SL.....B2
Batcheller Hall.....	Bat.....B6	Gilbert Addition.....GbAd.....B6	McAlexander Field House.....McAF.....C6	Shepard Hall.....Shep.....B6
Bates Hall.....	Bate.....B4	Gilbert Hall.....Gilb.....A6	McNary Dining Center.....McDn.....C7	Snell Hall.....Snel.....C6
Bell Tower.....	Bell.....C6	Gillfillan Auditorium.....GlfnaAud.....A4	McNary Hall.....McNy.....C7	Softball Complex.....SbSt.....F5
Beth Ray Center for Academic Support.....	BRC.....E5	Gilkey Hall.....Gilk.....B5	Memorial Union.....MU.....C5	Strand Agriculture Hall.....StAg.....C5
Bexell Hall.....	BexI.....B5	Gill Coliseum.....Gill.....E4	Merritt Truax Indoor Practice Facility.....IndP.....E3	Student Experience Center.....SEC.....C5
Bloss Hall.....	Blss.....E5	Gilmore Annex.....GmAn.....B4	Merryfield Hall.....Mfd.....B6	Student Legacy Park.....D4
Burt Hall.....	Burt.....A4	Gilmore Hall.....Gilm.....B4	Milan Hall.....Mlm.....B5	Tebeau Hall.....Tebe.....D7
Buxton Hall.....	Bux.....C4	Gladys Valley Gymnastics Center.....GVGC.....C6	Milne Computer Center.....MCC.....B6	Tennis Complex.....Tens.....D4
Callahan Hall.....	Cal.....C7	Gleeson Hall.....Glsn.....B6	Moreland Hall.....More.....C5	Transportation Services.....WnB.....F1
Cascade Hall.....	Casc.....E6	Goss Stadium.....Goss.....D5	Motor Pool.....MoPl.....C3	UHDS Maintenance Center.....HDMD.....E2
Cauthorn Hall.....	Cau.....C4	Graf Hall.....Graf.....B6	Nash Hall.....Nash.....B4	University Plaza.....UP.....F6
Central Receiving and Delivery.....	PrSB.....E7	Greenhouse East.....EGrn.....B4	National Forage Seed Research Center.....NFSC.....B2	Valley Football Center.....VFbC.....E4
Centro Cultural César Chávez.....	CCCC.....E5	Greenhouse West.....WGrn.....B2	Oak Creek Building.....OCB.....F3	Valley Library.....VLib.....C6
CEOAS Machine and Technical Development Facility.....	CMTD.....F3	Hallie Ford Center.....HFC.....B4	Oak Creek Greenhouse.....OCRB.....F2	Veterinary Dairy Barn.....VtBn.....D2
CH2M HILL Alumni Center.....	CHAC.....E5	Halsell Hall.....Hal.....E6	Ocean Administration Building.....OAB.....A5	Veterinary Horse Barn.....Pole.....E2
Champinefu Lodge.....	Chmp.....C8	Hattie Redmond Women and Gender Center.....HRWG.....B6	Oceanography Instrumentation Lab.....OBL.....F3	Veterinary Research Lab.....VRl.....D3
Child Care Center.....	CCC.....D7	Hawley Hall.....Haw.....C4	Oceanography Staging.....OcSB.....F3	Waldo Hall.....Wald.....C5
Clark Laboratory.....	ClkL.....B2	Health Center.....HC.....F5	Oldfield Animal Teaching Facility.....OATF.....B1	Weatherford Hall.....Wfd.....C4
Climbing Center.....	DxRC.....D5	Heating Plant.....Heat.....D6	Orchard Court Apartments.....OrcC.....A2	Welcome Center.....F4
Community Hall.....	ComH.....B6	Heckart Lodge.....HkLg.....C3	OSU Beaver Store.....OSBS.....E5	Weniger Hall.....Wngr.....B5
Coleman Field.....	Col.....D6	Hilton Garden Inn.....Hilton.....F5	Owen Hall.....Owen.....B6	Western Building.....WnB.....F1
Commodity Storage Facility.....	CSF.....B1	Hinsdale Wave Research Lab.....HWRL.....C1	Oxford House.....OxHs.....C8	Western Shops.....WnS.....F1
Coastal Oceanography Lab.....	OBL.....F3	Hogg Animal Metabolism Lab.....HAML.....B1	P. Wayne Valley Sports Performance Center.....WVSC.....E4	Whyte Track and Field Center.....F6
Cordley Hall.....	Cord.....B4	Horticulture Crops Research Lab.....HCRL.....B2	Parking Structure.....E5	Wiegand Hall.....Wgnd.....B3
Covell Hall.....	Covl.....B6	Hovland Hall.....Hov.....B4	Patricia Valian Reser Center for Creative Arts.....PRAx.....D6	Wilkinson Hall.....Wilkn.....A4
Crop Science Building.....	CrpS.....B3	International Living Learning Center.....ILLC.....E6	Pharmacy Building.....Phar.....C6	Wilson Hall.....Wil.....C7
Dawes House.....	DGeo.....A5	Jefferson Street Building.....JSB.....C1	Plageman Building.....PB.....A5	Withycombe Hall.....With.....B3
Dearborn Hall.....	Dear.....B6	Johnson Hall.....John.....A5	Poling Hall.....Pol.....C3	Women's Building.....WB.....C4
Dixon Lodge.....	DxLg.....C8	Joyce Collin Furman Hall.....Furm.....C6	Precision Agriculture Systems Center.....PASC.....B1	
Dixon Recreation Center.....	DxRC.....D5	Kaku-ixt Mana Ima Haws.....NAL.....C5	Pride Center.....PrcC.....E6	
Dryden Hall.....	Dryd.....D3	Kearney Hall.....Kear.....B7	Public Safety.....Casc.....E6	
		Kelley Engineering Center.....KEC.....B5		
		Kerr Administration Building.....KAD.....C6		
		Kidder Hall.....Kidd.....B6		
		Laboratory Animal Resource Center LAR.....D3		



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2023-24

# OSU CORVALLIS PARKING MAP



MAP LEGEND

- Commuter Zones
  - Residence Hall Zones
  - Hourly Lots
  - Restricted Vehicle Access
  - Pay Station
  - 4 Hour Limit Pay Station
  - ADA Parking†
  - Carpool Space
  - EV Charging Stations
  - Motorcycle Parking
  - Parking Zone ID
  - Visitor Parking
  - Under Construction

\*No private vehicle access

**†**Vehicles in ADA spaces must display a DMV-issued ADA placard and any OSU permit.

## PARKING RATES

Scan below to view parking rates.



- Daily permits may be purchased online, at any pay station  or in the Western Building.
  - Three-hour ADA visitor permits are available at no cost in the Western Building.

PARKING STRUCTURE KEY			
LEVELS 4 & 5	R PERMIT		
LEVEL 3	1 HOUR	B2 PERMIT	P
LEVEL 2	B2 PERMIT		P
LEVEL 1	B2 PERMIT		P



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## Poster Presentation and Flash Talks

The flash talk session is on Thursday, August 1. All posters will be hung in the lobby of the LaSells Stewart Center on Thursday. **Posters must be no larger than 48" x 36"**. Please be next to your poster during the poster session on Thursday afternoon.

You may print and bring your poster on your own, or use printing services available through OSU (recommended). If you print through OSU, please **submit your files by July 23**. It will then be delivered to the poster session room and available on the day of your session. We will cover the cost for poster printing if you print through OSU.

Participants will give max 2.5 minute flash talk introduction to their poster on the day they are scheduled to present. Each participant will be allowed 1-3 slides for the flash talk. Please **submit your slides by July 30**.

## Housing

Hotel accommodations have been made at no cost to the conference participants.

- Speakers/Panelists: Hilton Garden Inn Corvallis, 2500 SW Western Boulevard, Corvallis, Oregon 97333 (Phone: 541-752-5000, building Hilton on the campus map (coordinate F5) on page 5). Check-in begins at 3:00 pm, and you will need to provide your name, a government-issued photo ID, a credit card for incidentals, and the name of the conference (New Researchers Conference). Breakfast at the hotel is also included with your stay at no additional charge.
- New Researchers: Tebeau Hall, 1351 SW Washington Ave, Corvallis, Oregon 97331 (**Tebeau Hall Duty Phone: 541-243-2617**, building Tebeau on the campus map (coordinate D7) on page 5). Check-in begins at 8:00 am, and you will need to provide your name, a government-issued photo ID, and the name of the conference (New Researchers Conference). Breakfast at the McNary Dining Center (1300 SW Jefferson Way, Corvallis, OR 97331, building McDn on the campus map (coordinate C7) on page 5) is also included with your stay at no additional charge.

## **Health and Safety information**

### Important Contacts

- Fire, Police, Ambulance: 911
- OSU Department of Public Safety Emergency: 541-737-7000
- OSU Department of Public Safety Non-Emergency: 541-737-3010

In the case of life-threatening emergencies (fire, a violent crime, or a medical emergency) call 911 immediately, then call OSU Department of Public Safety Emergency 541-737-7000, telling them that you have already called 911.

## **Preparing to Teach Workshop**

The 8th Preparing for Careers in Teaching Statistics and Data Science Workshop will be held in the LaSells Stewart Center on August 3, 2024. The workshop is designed for graduate students and recent PhDs interested in careers in teaching statistics and data science. Priority will be given to graduate students who finished or will be finishing their program between Spring 2024 and Fall 2025. For more information visit: <https://preparingtoteach.org>. NRC attendees may attend sessions offered by this workshop after the NRC agenda is complete.

## **Transportation to Downtown Portland**

At the conclusion of the NRC on Saturday (2 pm), August 3, we will provide bus service directly from the NRC to the JSM conference location (Oregon Convention Center). There will be an option for a later bus (5 pm) for participants who are also attending the co-located Preparing to Teach workshop.

# Speakers and Panelists

- **Genevera Allen**, Professor of Statistics and Zuckerman Institute, Columbia University
- **Eleanor Feingold**, Dean of the College of Science, Department of Statistics, Oregon State University
- **Liza Levina**, Vijay Nair Collegiate Professor and Chair, Department of Statistics, University of Michigan
- **Jeffrey Leek**, Chief Data Officer, Vice President, and J Orin Edson Foundation Chair of Biostatistics, Fred Hutchinson Cancer Center
- **Xihong Lin**, Professor of Biostatistics and Statistics, Harvard University
- **Tapabrata Maiti**, Program Director, NSF Division of Mathematical Sciences; Foundation Professor of Statistics and Probability, Michigan State University
- **Adrian Raftery**, Blumstein-Jordan Professor of Statistics and Sociology, University of Washington
- **Richard Samworth**, Professor of Statistical Science, Director of the Statistical Laboratory, Cambridge University
- **Chengchun Shi**, Associate Professor of Statistics, London School of Economics and Political Science
- **Victoriya Volkova**, NIH Scientific Review Officer
- **Jean Yang**, Professor and a NHMRC CDF Fellow, School of Mathematics and Statistics, University of Sydney
- **Hephing Zhang**, Susan Dwight Bliss Professor of Biostatistics, Yale University
- **Tian Zheng**, Professor and Chair, Department of Statistics, Columbia University
- **Ji Zhu**, Susan A. Murphy Collegiate Professor of Statistics, University of Michigan

# Schedule

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## Wednesday June 31

- 12:00pm – 8:00pm     *Check in at Hilton Garden Inn/Tebeau Hall*  
                            Address 1: Hilton Garden Inn Corvallis  
                            2500 SW Western Boulevard, Corvallis, Oregon 97333  
                            Address 2: Tebeau Hall  
                            SW 13th Street, Corvallis, Oregon 97331

- 5:00pm – 12:00am     *Free time*
- 

## Thursday August 1

- 7:00am – 8:00am     *Breakfast available at Hilton Garden Inn/McNary Dining Center*
- 8:00am – 8:30am     **Registration at LaSells Stewart Center**
- 8:30am – 8:45am     **Morning Introductions**  
                            Eleanor Feingold, Dean of the College of Science, Oregon State University  
                            Yuan Jiang, Associate Professor of Statistics, Oregon State University  
                            Armeen Taeb, Assistant Professor of Statistics, University of Washington
- 8:45am – 9:45am     **Plenary Talk & Tweedie Award Presentation**  
                            Chengchun Shi, London School of Economics
- 9:45am – 10:00am     **Coffee Break**
- 10:00am – 11:40am     **Flash Talks**
- 12:00pm – 1:30pm     **Lunch**
- 1:30pm – 2:30pm     **Poster Session**
- 2:45pm – 3:25pm     **Faculty Talk**  
                            Jeff Leek, Fred Hutchinson Cancer Center  
                            Moderator: Dennis Shen, Assistant Professor, University of Southern California
- 3:25pm – 3:40pm     **Coffee Break**
- 3:40pm – 4:40pm     **Mentoring Panel**  
                            Genevera Allen, Columbia University

	Eleanor Feingold, Oregon State University Jeffery Leek, Fred Hutchinson Cancer Center Adrian Raftery, University of Washington Moderator: Nikos Ignatiadis, Assistant Professor, University of Chicago
4:40pm – 12:00am	<i>Free time</i>

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## **Friday August 2**

7:00am – 8:00am	<i>Breakfast available at Hilton Garden Inn/McNary Dining Center</i>
8:00am – 8:30am	<b>Registration at LaSells Stewart Center</b>
8:30am – 10:30am	<b>Faculty Talks</b> Richard Samworth, Cambridge University Ji Zhu, University of Michigan Adrian Raftery, University of Washington Moderator: Sifan Liu, Incoming Assistant Professor, Duke University
10:30am – 10:45am	<b>Coffee Break</b>
10:45am – 12:00pm	<b>Funding Panel</b> Liza Levina, University of Michigan Tapabrata Maiti, Michigan State University and NSF Program Director Victoriya Volkova, NIH Scientific Review Officer Heping Zhang, Yale University Moderator: Fei Xue, Assistant Professor, Purdue University
12:00pm – 1:30pm	<b>Lunch</b>
1:30pm – 3:30pm	<b>Faculty Talks</b> Heping Zhang, Yale University Xihong Lin, Harvard University Jean Yang, University of Sydney Moderator: Christopher Harshaw, Columbia University
3:30pm – 3:45pm	<b>Coffee Break</b>
3:45pm – 5:00pm	<b>Publishing Panel</b> Genevera Allen, Columbia University Richard Samworth, Cambridge University Tian Zheng, Columbia University Ji Zhu, University of Michigan Moderator: Dan Kessler, Assistant Professor, University of North Carolina
5:00pm – 5:30pm	<b>Group Photo Session</b>
6:00pm – 9:00pm	<b>Banquet</b>

Short Speech: Pragya Sur, Assistant Professor, Harvard University;  
President of the IMS New Researchers Group

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## **Saturday August 3**

7:00am – 8:00am	<i>Breakfast at Hilton Garden Inn/McNary Dining Center</i>
8:00am – 8:30am	<b>Registration at LaSells Stewart Center</b>
8:30am – 9:50am	<b>Faculty Talks</b> Genevera Allen, Columbia University Tian Zheng, Columbia University Moderator: Wooseok Ha, Assistant Professor, Korea Advanced Institute of Science and Technology
9:50am – 10:10am	<b>Coffee Break</b>
10:10am – 11:10am	<b>Collaboration Panel</b> Xihong Lin, Harvard University Adrian Raftery, University of Washington Jean Yang, University of Sydney Heping Zhang, Yale University Ji Zhu, University of Michigan Moderator: Hengrui Cai, Assistant Professor, University of California at Irvine
11:20am – 12:30pm	<b>Future of Statistics Panel</b> Liza Levina, University of Michigan Xihong Lin, Harvard University Richard Samworth, Cambridge University Tian Zheng, Columbia University Moderator: Song Mei, Assistant Professor, University of California at Berkeley
12:30pm – 2:00pm	<b>Lunch</b>
2:00pm	<b>First Bus to Portland</b>
5:00pm	<b>Second Bus to Portland</b>

# List of Talks

This is the order of flash talks.

1. Doudou Zhou
2. Jingming Wang
3. Ruohui Chen
4. Joshua Loyal
5. Brian Williamson
6. Vlad Margarint
7. YanShuo Tan
8. Siyu Heng
9. Didong Li
10. Jiayi Wang
11. Jing Zhou
12. Shiya Cao
13. Chan Park
14. Lucy Lu
15. Fei Xue
16. Tate Jacobson
17. Drew Yarger
18. Shan Yu
19. Peng Zhao
20. Rakheon Kim
21. Wooseok Ha
22. Keren Li
23. Satarupa Bhattacharjee

24. Sifan Liu
25. Ying Zhou
26. Anna Neufeld
27. Samidha Shetty
28. Benjamin Leiwand
29. Bingkai Wang
30. Hengrui Luo
31. Yisha Yao
32. Daniel Kessler
33. Samuel Baugh
34. Xinzhou Ge
35. Kaitlyn Cook
36. Michael Weylandt
37. Tiantian Yang
38. Carlos Soto
39. Ran Chen
40. Tianhai Zhu
41. Hengrui Cai
42. Yuming Sun
43. Lulu Shang
44. Robert Trangucci
45. Dennis Shen

The following (not listed above) give posters:

1. Chunlin Li
2. Christopher Harshaw
3. Yuzhou Chen
4. Evan Kwiatkowski

# Local Information

If you would like to have dinner on your own, below are some restaurants close to campus:

- Thai Chili (Thai)
- Local Boyz Hawaiian Cafe (Hawaiian)
- Lemongrass Noodle House (Vietnamese)
- Hana Sushi and Izakaya (Japanese)
- McMenamins on Monroe (American)
- K-BBQ EXPRESS (Korean)
- Bombs Away Cafe (Mexican)
- Tarn Tip Thai Cuisine (Thai)

You can also find more restaurants in downtown Corvallis:

- del Alma (Latin American, Caribbean, Spanish)
- Block 15 Brewery & Restaurant (American)
- Koriander (Korean)
- Caves (Modern European)
- Castor Kitchen & Bar (Latin, French, Spanish)
- Magenta Restaurant (American, Asian)
- Aomatsu Japanese Restaurant (Japanese)
- Thai Home Kitchen (Thai)

# Acknowledgements

## Organizers

### Co-Organizers

**Yuan Jiang**

Associate Professor of Statistics  
Oregon State University

**Armeen Taeb**

Assistant Professor of Statistics  
University of Washington

## Student Volunteers

**Daniel R. Malone Buoy**

Master's Student  
Oregon State University

**Patrick Carroll**

Doctoral Student  
Oregon State University

**Evan Flint**

Master's Student  
Oregon State University

**Trent VanHawkins**

Doctoral Student  
Oregon State University

**Hayden Vaughn**

Master's Student  
Oregon State University

**Jingtian Yu**

Doctoral Student  
Oregon State University

**Rong Yu**

Doctoral Student  
Oregon State University

## Off-site Organizers

**Pragya Sur**

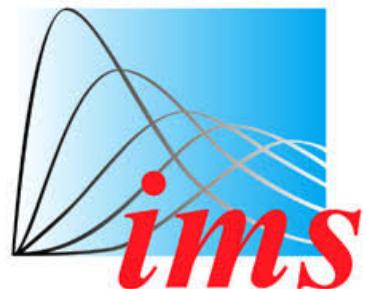
Assistant Professor of Statistics  
Harvard University

**Alexander Volfovsky**

Assistant Professor of Statistical Science  
Duke University

## Sponsors

The Institute of Mathematical Statistics New Researchers Conference is funded by the National Science Foundation. Additional funding is provided by the Institute for Mathematical Statistics, College of Science and Department of Statistics at Oregon State University, Department of Statistics at University of Washington. We thank our sponsors for their generous support of the NRC.



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