



Program

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

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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, 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) or Taeb Armeen (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

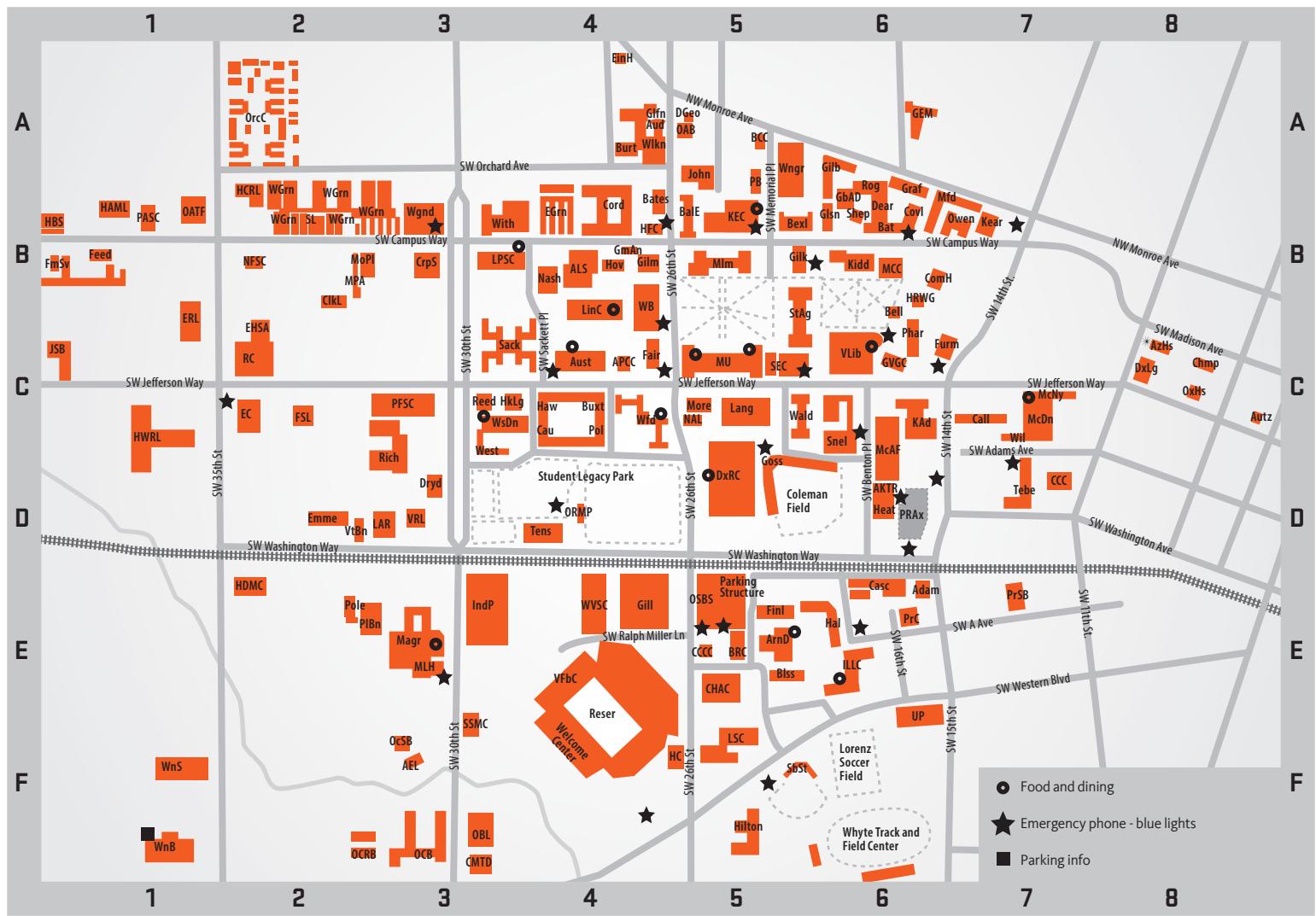
The NRC will be held in the LaSells Stewart Center, Oregon State University, located in 875 SW 26th Street, Corvallis, OR 97331-3101. This is the building LSC on the campus map (coordinate F5) on page 5.

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



Oregon State
University

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.

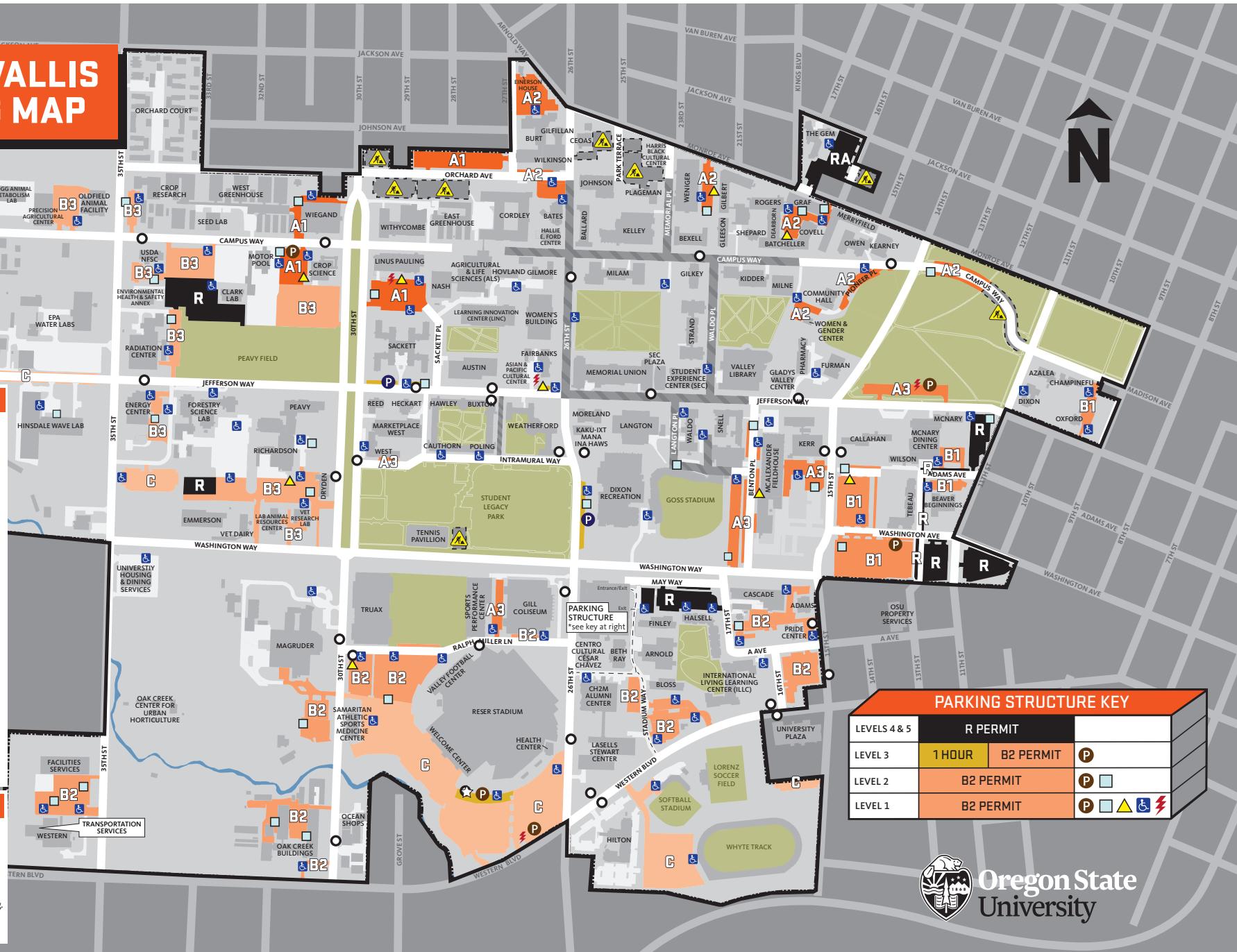
PARKING RATES

Scan below to view parking rates.



Daily permits may be purchased online, at any pay station P or in the Western Building.

Three-hour ADA visitor permits are available at no cost in the Western Building.



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 posters 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
- **Heping 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

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**
 Jeffrey 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>

Friday August 2

7:00am – 8:00am	<i>Breakfast available at Hilton Garden Inn/McNary Dining Center</i>
8:00am – 8:30am	Registration at LaSells Stewart Center
8:30am – 10:30am	Faculty Talks 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	Coffee Break
10:45am – 12:00pm	Funding Panel 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	Lunch
1:30pm – 3:30pm	Faculty Talks Heping Zhang, Yale University Xihong Lin, Harvard University Jean Yang, University of Sydney Moderator: Christopher Harshaw, Columbia University
3:30pm – 3:45pm	Coffee Break
3:45pm – 5:00pm	Publishing Panel 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	Group Photo Session
6:00pm – 9:00pm	Banquet

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

Saturday August 3

7:00am – 8:00am	<i>Breakfast available at Hilton Garden Inn/McNary Dining Center</i>
8:00am – 8:30am	Registration at LaSells Stewart Center
8:30am – 9:50am	Faculty Talks Genevera Allen, Columbia University Tian Zheng, Columbia University Moderator: Wooseok Ha, Assistant Professor, Korea Advanced Institute of Science and Technology
9:50am – 10:10am	Coffee Break
10:10am – 11:10am	Collaboration Panel 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	Future of Statistics Panel 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	Lunch
2:00pm	First Bus to Portland
5:00pm	Second Bus to Portland

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
46. Christopher Harshaw

The following (not listed above) also present posters.

1. Chunlin Li
2. Yuzhou Chen
3. 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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