

Program at a Glance

Subject to change

Thursday, November 15, 2019

10:00 a.m.
Sigma Xi Chapter Development
Workshops

11:00 a.m.
Delegate Orientation

1:00 p.m.
Assembly of Delegates-1

2:45 p.m.
Regional Caucus Meetings

4:00 p.m.
Constituency Caucus Meetings

5:15 p.m.
Assembly of Delegates-2

7:30 p.m.
Sigma Xi Chapter Development
Workshops





Sigma Xi Annual Meeting
& Student Research Conference
Madison, Wisconsin
www.sigmaxi.org/amsrc19

Thursday events are for Sigma Xi chapter delegates only

Program at a Glance

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Friday, November 15, 2019

Life & Health Track	Energy Track	Water Track	Research Enterprise & Professional Development Track	Science Communication, Education, and Public Engagement Track	Research Ethics Track
8:00–8:30 a.m. Welcome and Opening Remarks: Jamie Vernon and Geri Richmond					
8:30–9:30 a.m. Plenary Session– May Berenbaum , University of Illinois at Urbana-Champaign					
9:30 a.m.–12:00 p.m. Professional Headshot Photography					
9:45–10:45 a.m. Keynote– Challenges of Developing New Vaccines for Neglected Diseases While Facing 21st Century Forces Peter Hotez , Baylor College of Medicine	9:45–10:45 a.m. Contributed Talks– Maxwell Zombies, Fuel Economy Standards, Heavy Duty Vehicles, Conflict in Climate Change Mitigation	9:45–10:45 a.m. Keynote– Smart Sea Level Sensors Kim Cobb , Georgia Institute of Technology	10:00 a.m.–12:00 p.m. Workshop– Part 1 Transitioning from a Technical Mindset to a Technical Leader Mindset Dennis Hess , Georgia Institute of Technology	9:45–10:45 a.m. Keynote– Topic TBA Dietram Scheufele , University of Wisconsin, Madison	9:45–10:15 a.m. Ethical Issues in Conducting Field Research Richard Miller , Texas A&M University- Kingsville
11:00 a.m.–12:00 p.m. Contributed Talks– TBA	11:00 a.m.–12:00 p.m. Contributed Talks– Biomass Cookstoves, Air Quality, Charcoal Chain Greening, Thermal Insulation	11:00 a.m.–12:00 p.m. Mapping the U.S. Food–Energy– Water Nexus at the Mesocale: the FEWSION Project and the Creation of the FEW-View™ Visualization System Richard Rushforth , Northern Arizona University		11:00 a.m.–12:00 p.m. Contributed Talks– Service-learning, Civic Engagement, Digital Earth, Aquarium of the Pacific	11:00 a.m.–12:00 p.m. Harnessing the Humanities for the Anthropocene Problem Alex Levine , University of South Florida
 12:00 a.m.–1:15 p.m. Strategies for Long Life Batteries–Inspiration from Batteries that Power Implantable Medical Devices Walston Chubb Award for Innovation Talk and Luccheon– Esther Takeuchi , Stony Brook University and Brookhaven National Laboratory					

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Saturday, November 16, 2019

Student Research Conference		Research Enterprise & Professional Development Track		Science Communication, Education, and Public Engagement Track	
8:00–9:00 a.m. Continental Breakfast and Judges Orientation					
9:00 a.m.–12:15 p.m. Student Research Poster Session					
9:00 a.m.–12:00 p.m. and 3:30–5:30 p.m. Exhibits–Graduate School and Career Fair					
<div></div> <div>12:15–1:15 p.m. Young Investigator Award Talk and Luncheon– Ariana Sutton-Grier, University of Maryland, College Park Coastal Wetland Blue Carbon–The Best Climate Change Solution You Have Never Heard Of?</div>					
2:30–3:30 p.m. Student Oral Presentations	2:30–3:30 p.m. Student Oral Presentations	2:00–3:15 p.m. Panel Discussion Our Changing Academic Environments Deborah Good , Virginia Tech	2:30–4:30 p.m. Workshop–Business Not Taught in Science Class Joseph Sabol , Chemical Consultant	TBA	1:30–2:30 p.m. Keynote– Joe Palca , NPR
					2:15–5:15 p.m. Workshop–Climate Disruption–Carbon Dioxide, Ice, and Water Bassam Shakhashiri and Jerry Bell University of Wisconsin, Madison
				2:30–5:30 p.m. Workshop–Principles of Slides-Based Talks Darcy Gentleman , DJG Communications, LLC	3:30–5:30 p.m. Radio Pioneers Talk Series Leslie Cruis , retired National Security Agency Vijayand Kowtha , Naval Research Laboratory

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1:00–5:00 p.m. Professional Headshot Photography	
	5:30–6:30 p.m. John P. McGovern Science and Society Award Lecture Ashanti Johnson , Fort Valley State Effective Strategies for Advancing Diversity and Inclusion in STEM– Lessons Learned and Work Still Yet to Be Done Student Presentation Awards
7:00–7:30 p.m. Reception	
	7:30–9:30 p.m. Banquet featuring Gold Key Award Ceremony video, William Procter Prize for Scientific Achievement Lecture Presented by Ben Santer , Lawrence Livermore National Laboratory, Student Choice Award Announcement, and Sigma Xi Induction Ceremony
9:45–11:00 p.m. Entertainment	

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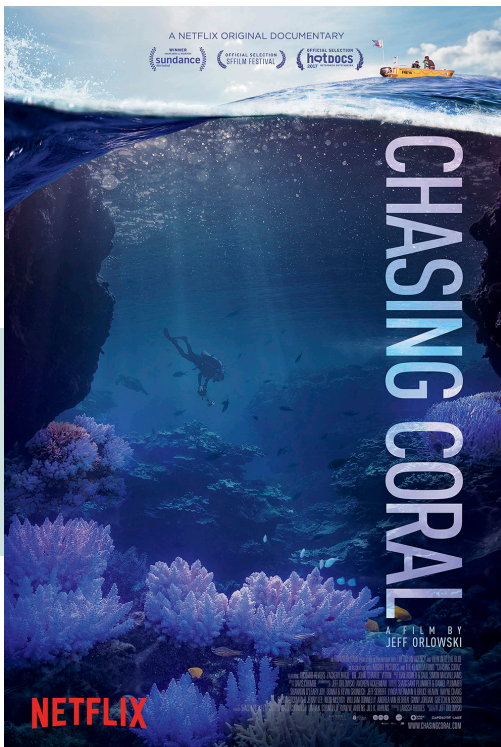
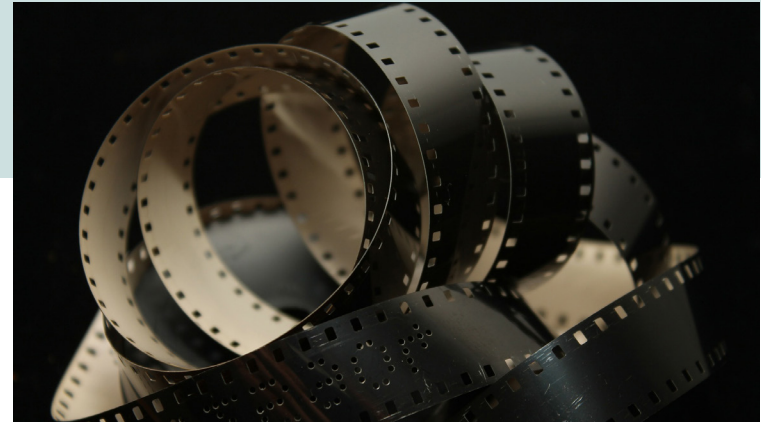
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Sunday, November 17, 2019

9:00 a.m.–4:00 p.m.
STEM Artwork Exhibit



9:00 a.m.–4:00 p.m.
STEM Film Presentations



12:00–2:30 p.m.
Screening of the Documentary **Chasing Coral**,
followed by panel discussion

Sunday's events are free admission and open to the general public.