



SESE Community Conversation: 28 January 2021

SESE Leadership

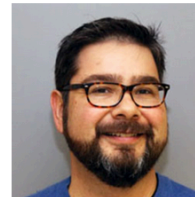


Meenakshi Wadhwa

Director

Meenakshi Wadhwa is the Director of the School of Earth and Space Exploration.

Her research focuses on isotope cosmochemistry, in particular the sources and distributions of extinct radionuclides in the solar nebula; the formation and evolution of crust-mantle reservoirs on Earth, Moon and Mars; and the abundance and origin of water and other volatiles on rocky bodies in the solar system.



Chris Groppi

Associate Director of Undergraduate Initiatives

Christopher Groppi is an experimental astrophysicist interested in the process of star and planet formation and the evolution and structure of the interstellar medium. His current research focuses on the design and construction of state of the art terahertz receiver systems optimized to detect the light emitted by molecules and atoms in molecular clouds, the birthplace of stars.



Ramon Arrowsmith

Associate Director of Operations

Ramon Arrowsmith studies active faulting, earthquake geology, tectonic geomorphology, and the geologic framework for human origins. Dr. Arrowsmith teaches Field Geology, Structural Geology, Geomorphology, and Computers in Earth and Space Exploration.



Patrick Young

Associate Director of Community Outreach

Patrick Young is a theoretical astrophysicist interested in the lives and deaths of stars and their effects on their environments, from synthesis of the chemical elements to planetary habitability. His current research touches on computational hydrodynamics simulations of stellar interiors, supernovae and gamma-ray bursts and the synthesis and ejection of elements by nuclear fusion in stars and stellar explosions. He also models the evolution of stars and how their radiation, winds, and stellar activity may affect the habitability of nearby planets.



Hilairy Hartnett

Associate Director of Graduate Initiatives

Hilairy Hartnett has joint appointments in the School of Earth and Space Exploration and in the School of Molecular Sciences. Her current research interests are in the areas of biogeochemistry and organic geochemistry and focus on how geochemical, microbial, and anthropogenic processes affect the dynamic linked elemental cycles in modern, and paleo-environments.



Christy Till

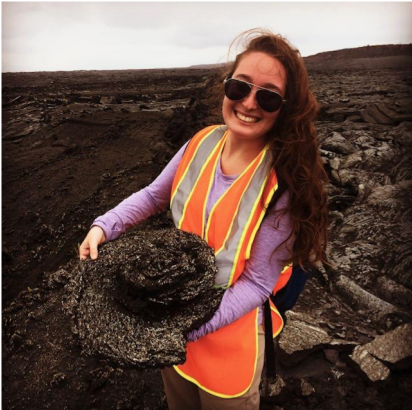
Associate Director for an Inclusive Community

Christy Till is a geologist who teaches classes and leads a multidisciplinary research program on the role of magma in the formation and evolution of planets, known as the E.P.I.C. lab. E.P.I.C. lab research includes determining the timescales and triggers for eruptions at active volcanoes in the US, growing minerals and magma in high pressure and temperature laboratory experiments, and studying the likely compositions of magma and crusts on exoplanets. Dr. Till also has deep interests in working for justice, equity, diversity, and inclusion in academic science and improving science communication.

Welcome to Assistant Prof. Molly Simon!



- Joined on Jan 1, 2021; office located in PSF 536
- Astronomy Education Research
 - Active Learning Strategies/Assessments (Lecture-Tutorials, Concept Inventories, Course-Based Undergraduate Research Experiences - CUREs)
 - Citizen Science - Bringing citizen science into the formal education environment
 - Development of Curricular Materials for Online Courses
- Planetary Science/Astrophysics Research
 - Protoplanetary Disks/Planet Formation (Thermally versus Magnetically-Driven Protoplanetary Disk Winds)



Welcome also to those who recently joined SESE!

- **Carver Bierson**, Postdoctoral Research Scholar
- **William Cramer**, Postdoctoral Research Scholar
- **James Jackman**, Postdoctoral Research Scholar
- **Amanda Koeller**, Academic Financial Specialist
- **Suyu Fu**, Postdoctoral Research Scholar
- **Alejandro Cueva Rodriguez**, Postdoctoral Research Scholar
- **Harish Anand**, Research Specialist
- **Joshua Thompson**, Academic Success Advisor
- **Luke Martin**, Research/Lab Aide
- **James Rice**, Assistant Research Scientist
- **Phil Weaver-Stoesz**, Consultant PRN
- **Rachel Adam**, Research Technician
- **Elinor Sauer**, Research Technician
- **Hannes Bernhardt**, Postdoctoral Research Scholar, LROC
- **Vincenzo Cataldo**, Research Specialist, LROC
- **Sean Peters**, Research Specialist, Sr., Mars Space Flight
- **Andrew Holmes**, Engineer, Sr., Mars Space Flight

COVID-19 Vaccines!

- At the start of the semester, we were informed that vaccines will be available to ASU personnel who qualify for Phase 1B (those in “high public-contact positions on campus”)
- Email from Mark Searle and Morgan Olsen sent recently to subset of ASU employees and students who qualify for Phase 1B
- ASU will continue to assess vaccine availability and will broaden the eligible group to all employees and students as and when possible
- Please check this website for Vaccine updates and FAQs:

<https://eoss.asu.edu/health/announcements/coronavirus/vaccine-faqs>

On campus presence

- Email sent to SESEALL on January 14 describing our plans for Spring; posted: <https://sese.asu.edu/school-earth-and-space-exploration-covid-19-information>
- Up to ~30% occupancy to continue in SESE buildings
- “Community of Care” safety training for all coming back to campus
- Face coverings are REQUIRED at all times in SESE buildings. PPE (face coverings), hand sanitizer, disinfectant provided centrally (contact: Marc Biren)
- Random testing has been ramped up; available to any employees and students any time free of charge (<https://cfo.asu.edu/employee-testing>)

On campus presence (cont.)

- Email sent to SESEALL on January 14 describing our plans for Spring; posted: <https://sese.asu.edu/school-earth-and-space-exploration-covid-19-information>
- Some of our HQ staff and SESE Leadership are back on a staggered
 - Staff representing BO-HR-RA-AP will be in office Tuesdays-Thursdays from 8 AM to 2 PM
 - Mondays and Fridays will have reception and mail service
 - Access will remain restricted in certain parts of SESE buildings
- SESE HQ in ISTB4 will be staffed as above, SESE HQ in PSF will not be staffed. Both will be accessible via key card/key access

Teaching

- All classes will be taught in ASU Sync mode (synchronous teaching via Zoom, with some in-class component for limited numbers of students)
- All courses with >115 anticipated enrollment will be in remote mode only
- For all other ASU Sync courses, students have the option to be on campus or in remote mode; instructors in communication with enrolled students to manage this
- All our in-person classes in ISTB4 (1st and 2nd floor), with assistance from our COG team (thank you!) and UTO

News/Communications: Enrollment & Budget

- Overall enrollment at ASU is actually up (+7%; mainly driven by 19% growth in online enrollment, but on-ground enrollment is similar to last year)
 - Overall enrollment in SESE courses is slightly down (-4% relative to this time last year)
 - Significant growth in our online BS enrollment (our largest major!)
 - Full financial impact remains uncertain (we will likely have a significant “give back” similar to last year – continued budget decentralization effort)

News/Communications: Spring 2021 Activities

Community activities during Fall 2020:

- SESE Community Conversations (Noon-1 PM on last Thursdays of February, March, April)
- SESE Colloquium (Wednesdays, 3:30-4:30 PM, weekly)
- Virtual Tea (Thursdays, 3:00-4:00 PM, weekly)
- Engineering Coffee (Fridays, 2:30-3:30 PM, weekly)
- Office hours with the director (weekly, 8-10 AM Fridays)
- Office hours with AD, Inclusive Community (3-4 PM Thursdays or by appt)
- Open listening sessions with SESE leadership

**Welcome to the Spring 2021 semester:
Let's help to keep each other safe and productive!**



SESE INCLUSIVE COMMUNITY

SESE Community Conversation
January 28, 2021

POLL:

WHAT ARE 1-2 WORDS THAT DESCRIBE
YOUR STATE OF MIND AS YOU BEGIN
2021?

SESE JEDI TASK FORCE

The School of Earth and Space Exploration JEDI Task Force empowers a **Just, Equitable, Diverse, and Inclusive** School of Earth and Space Exploration by facilitating and promoting individual action, dialog, education, long-term planning and systemic change.

Task Force Members

Current members of the Task Force



Christy Till
Associate Professor
and Associate Director
for an Inclusive
Community



Elizabeth Trembath-Reichert
Assistant Professor



Phil Christensen
Full Professor



Enrique Vivoni
Full Professor and
Associate Dean for
Graduate Programs



Desiree Crawl
SpaceGrant
Coordinator



Everett Shock
Professor



Karen Knierman
Lecturer



Kimberly Baptista
Alumni & Special
Events Coordinator



Aaron Boyd
LROC research staff



Sean Peters
MSFF research staff



Christine O'Donnell
postdoc



Ed Buile II
graduate student



Alexa Drew
graduate student



Miles English
undergraduate



Eric Gutierrez
undergraduate

Ex-Officio Members of the Task Force



Hilairy Hartnett
(ex-officio) Full Professor and College
JEDI Task Force chair



Patrick Young
(ex-officio), Associate Professor

Visit us at:

<https://sese.asu.edu/inclusive-community/JEDI-task-force>

WE'RE WORKING ON DEVELOPING SESE'S
JUSTICE-EQUITY-DIVERSITY-INCLUSION
STRATEGIC PLAN

AND WE WANT
YOUR
INPUT!

WE'RE HOLDING LISTENING SESSIONS..

...for each part of our community.

We want your new ideas and feedback on our strategic planning so far. Come talk to the representatives of your community on the JEDI Task Force for an hour.



First up **Undergraduates: February 5** (look for an email!)

Then **Graduate students: February 12 @ 11AM**

Stay tuned for times of listening sessions with business office & administrative staff, research staff, postdocs & faculty in February-March.

SESE JEDI SEED GRANTS



We need YOU!

We're soliciting seed grant proposals that promote a just, equitable & inclusive SESE by *facilitating individual action, dialog, education and systemic change.*

Proposals Due Friday March 12th

Total funding for all proposals is \$2000, hope to fund several total.

Stay tuned for details on a proposal writing workshop in late February!

Colloquium Wed. 2/17/21 will be SESE student presentations about what SESE can do to improve equity - plan to attend!

SESE JEDI SEED GRANTS

On-going Task Force Activities

<https://sese.asu.edu/inclusive-community/JEDI-task-force>

During the 2020-2021 school year, the JEDI Task Force is working on four main activities:

1. JEDI Strategic Plan

Perhaps the single most important step the School of Earth and Space Exploration and the Task Force can take toward achieving our missions is to take stock of our strengths and weaknesses in the areas of justice, equity, diversity and inclusion and prepare a strategic plan to address areas that need the greatest improvement. To this aim, the main JEDI Task Force is in the midst of a year-long process of developing a JEDI strategic plan for the school.

2. JEDI Seed Grants

The Task Force has established a seed grant program for JEDI related activities that award up to several \$1000 projects each semester. [View the full proposal call.](#) Proposals are due in November and March annually.

Awardees

School of Earth and Space Exploration JEDI Seed Grants

"Bridging the Gap Initiative: Connecting ASU Students with Title 1 Schools Via Virtual Visits" Bryanna Gutierrez-Coatney, Anna Zaniewski, Patrick Young & Steve Semken. [Read the full story about this awarded JEDI grant.](#)

The College JEDI Seed Grants

"The INCLUDES Training Program" Christy Till, Sharon Hall, and Ara Austin

"Graduate student experiences" Aliya Hoff, Monica Gaughan, and Amanda Clarke

"Science in a Box Educator Kits" Linnea McCann and Patrick Young

"Sexual harassment prevention and bystander workshop" Edward Buie II, Justin Hom, and Jasmine Garani

[Read about these four awarded projects and the students and faculty involved.](#)

equity - plan to attend!

FIRST SEED GRANT FUNDED LAST SEMESTER

More details at:

<https://sese.asu.edu/inclusive-community/JEDI-task-force>



ASU undergraduate astrophysics student Bryanna Gutierrez-Coatney has been awarded the School of Earth and Space Exploration's inaugural Justice, Equity, Diversity, and Inclusion (JEDI) Seed Grant from the school's JEDI Task Force. Gutierrez-Coatney's award-winning proposal is an education initiative designed to build awareness of physics and Earth and space topics among students in Arizona's Title 1 schools. [Read the full story.](#)

1-2 words that describe your state of mind in 2021

