

University of Nebraska-Lincoln

ASTRONOMY EDUCATION WORKSHOP

<http://astro.unl.edu>



(Saturday, October 3, 2009 — Avery 19, UNL City Campus)

This event is free to high school and college astronomy/physics instructors and undergraduate students interested in careers in science education. Please register in advance by phone at 402-472-9312 or by email at sparry3@unlnotes.unl.edu. This workshop has three goals: 1) to acquaint educators with innovative usages of instructional technology in astronomy education, 2) to bring together members of the astronomy and physics teaching community to share ideas and identify potential collaborators, and 3) to promote new developments in the UNL Department of Physics and Astronomy.

The workshop this year will be a joint meeting with the Nebraska Section of the American Association of Physics Teachers.

Workshop Agenda

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| 8:30 am | Continental Breakfast |
| 9:00 am | Welcome: David Manderscheid, Dean of the UNL College of Arts and Sciences |
| 9:10 am | Keynote Address: Tyler Nordgren, University of Redlands
"Archeoastronomy for the Classroom: Bringing Astronomy Education Down to Earth" (Avery 19) |
| 10:20 am | Short Presentation: "An Introduction to Astrobiology", Ed Schmidt (UNL)
Computer Lab: "Habitable Zones" (Avery 12 and Avery 18)
Chris Siedell (UNL), Kevin Lee (UNL), Todd Young (WSC), & Adam Davis (WSC). |
| 11:30 pm | Reports on Recent Conferences (Avery 19)
Kevin Lee (UNL) — Peer Instruction in Physics, Assessment Item Writing Workshop |
| 12:00 pm | Lunch (Selleck Hall Cafeteria — President's Room) |
| 1:00 pm | Demonstration: "Physics Demonstration Apparatus for the Astronomy Classroom" (Brace 211)
Dale Stille (University of Iowa) & Cliff Bettis (UNL) |
| 2:30 pm | Short Presentations (Avery 19)
Advances in ClassAction—Chris Siedell, Computerized Ranking Tasks—Renee Augustyn, An Astronomy Graphics Library—Aaron Hirsh, Simulations in Captivate—Kevin Lee, & Professional Development Opportunities for Science Teachers—Jon Pedersen |
| 3:20 pm | Workshop wrap-up and door prize raffle (must be present to win!) |
| 3:30 pm | N-AAPT Section Meeting (Avery 13b) |

This workshop is sponsored by the UNL Center for Science, Mathematics, and Computer Education and the Department of Physics and Astronomy. Numerous educational materials, continental breakfast, and lunch are provided.

The University of Nebraska-Lincoln does not discriminate based on gender, age, disability, race, color, religion, marital status, veteran's status, national or ethnic origin, or sexual orientation.