

Speakers

Keynote

Keynote - Professor Debra Fischer

The CUWiP keynote is broadcasted live to all conference sites. This year's speaker is Yale Astronomer, Professor Debra Fischer. Professor Fischer's research is in detection and characterization of exoplanets. She was part of the team to discover the first known multiple-planet system.

Conference Speakers

Professor Saul Perlmutter

Professor Perlmutter is a UC Berkeley Professor with a joint appointment at LBNL. He currently heads the Supernova Cosmology Project at LBNL, where he researches high redshift supernovae. It was with this team that his observations of Type Ia supernova led to the discovery that the universe is expanding at an accelerating rate. Professor Perlmutter shares the 2011 Nobel Prize in Physics with Reiss and Schmidt for this discovery.

Professor Frances Hellman

Professor Hellman is a UC Berkeley Professor with a joint appointment at LBNL. Her research is concerned with properties of novel magnetic and superconducting materials, especially in thin film form. Her research group also works on measuring transport and heat capacity in thin films.

Kate Kamdin, *Mind the Gap: A Statistical Approach to Understanding Gender Inequality in the Physical Sciences*

Kate is a third year graduate student in the Berkeley physics department working on the SNO+ experiment. She graduated from the University of Chicago, where she founded the U. Chicago Society of Women in Physics in her third year. She continues her commitment to underrepresented groups in the physical sciences as the Head Coordinator for the Society of Women in Physical Sciences (SWPS) at Berkeley. She is also actively involved in the Compass Project's Mentoring Program, and is engaged in planning a collaborative series of mentoring events between the two programs.

Dr. Luisa Bozano, *From Italy to California, my path to science and the lessons learned*

Dr. Bozano has been a research scientist at IBM's Almaden Research Center (California, USA) since 2000. In her research, she is discovering and developing methods for making self-assembling molecular electronics, such as memories, aimed at being significantly cheaper than today's silicon-based devices.

Clara Moskowitz, *Translating Science to the Public: A Career in Science Journalism*

Clara Moskowitz attended the science writing program at UC Santa Cruz and has since written for Discover Magazine, SPACE.com and LiveScience.com. She is currently an Associate Editor at Scientific American. She covers news in space & physics; see some of her recent articles at Scientific American.

Dr. Sofia Quaglioni, *From Nucleons, to Nuclei, to Fusion Reactions*

Dr. Quaglioni is a theoretical physicist at Lawrence Livermore National Laboratory. Her present research interests revolve around the development of theoretical and computational tools to reach a fundamental description of light-ion fusion reactions important for astrophysics modeling and fusion energy applications.