

DETAILED SCHEDULE BY DAY: COSMOS IN THE CLASSROOM 2010

MONDAY, AUGUST 2, 2010 • SESSIONS LISTED BY LEAD PRESENTER

	CRISTOL CHEMISTRY 140	UMC BALLROOM	EATON 125	EATON 135	EATON 150	EATON 1880	EATON 1890	OTHER
7:30								Registration Desk Open
8:30 – 8:45	Introduction to the Conference							
8:45 – 9:45 Morning Joint Plenary Session 1	CoBabe-Ammann, Prather, Fraknoi (moderator): EPO and Astro 101: Shotgun Wedding, Marriage of Convenience, or Meaningful Relationship?							
9:45 – 10:30		Coffee Break, Poster/ Exhibit Set Up and Early Viewing						
10:40 – 11:50					1-minute Poster Presentations			
11:50 – 1:15								Lunch on your own
1:15 – 2:15 Afternoon Plenary Session 1	Pollock: Taking a Scientific Approach to Science Teaching							
2:15 – 3:00		Break, Poster & Exhibit Viewing, Share-a-Thon						
3:15 – 4:15 1-Hour Workshops			Greenstein: How Can We Lead our Non-science Students to Think Critically and Creatively?	Schneider: Tips and Tools for Teaching Planetary Science	Prather: How to Engineer Learning Sequences that Motivate Students to Learn what We Want Them to Know	Len: Old Ideas, New Technologies — Harnessing the Power of Web 2.0 Resources for the Weary Instructor	Walker: Astronomy Meets the Environmental Sciences: Using GLOBE at Night Data	
4:30 – 5:30 1-Hour Workshops			Shostak: Getting Science to the Non-Scientists: Teaching an Astrobiology Course	Dubson: What Works and What Fails when Using “Clickers” or Colored Cards to Engage Students and Increase their Learning?	Prather: Engaging Students with Think-Pair-Share: Conceptual Questions to Increase Learning Beyond Lecture	Lee: Engaging Students with Simulations in the Classroom	Bobrowsky: Demonstrations For Astronomy Classes and Public Outreach	
5:30 – 6:00		Poster & Exhibit Viewing, Networking						
7:30	Nontechnical Lecture: Dark Energy and the Runaway Universe by Alex Filippenko (U. of California, Berkeley)							

DETAILED SCHEDULE BY DAY: COSMOS IN THE CLASSROOM 2010

TUESDAY, AUGUST 3, 2010 • SESSIONS LISTED BY LEAD PRESENTER

	CRISTOL CHEMISTRY 140	UMC BALLROOM	EATON 125	EATON 135	EATON 150	EATON 1880	EATON 1890	OTHER
7:30								Registration Desk Open
8:30 – 9:30 Morning Joint Plenary Session 2	Hewson: Teach to the Stars: How People Learn Science							
9:30 – 10:00		Coffee Break, Poster & Exhibit Viewing, Share-a-Thon						
10:00 – 11:00 1-Hour Workshops			Comins: The "What If" Workshop	Duncan: A Successful (and Fun) Curriculum for Teaching Students to Think Scientifically and Better Understand their Own Thinking and Learning	Prather: Engaging Students with Lecture-Tutorials: Collaborative Learning Activities to Increase Understanding Beyond Lecture	French: Engaging Students with ClassAction	Otero: Transforming Astronomy Education Using Learning Assistants	
11:15 – 12:05 Special Interest Group Discussions			Hufnagel: Getting the Most Out of Your Observatory-Based Astro 101 Laboratory	Fraknoi: Student Learning Outcomes: The Good, the Bad, and the Ugly	Bruning: Astronomy Education Research: What Questions Do We Need To Answer In The Coming Decade?	Hildreth: The Best Online Tools And Practices for Teaching Astronomy	CoBabe-Ammann: Higher Education within NASA's Science Mission Directorate: How to Strengthen the Bridge to Introductory Astronomy Faculty?	
12:05 – 1:15	NASA Town Hall (12:15)							Lunch on your own
1:15 – 2:15 Afternoon Plenary Session 2	Bartusiak: The Day We Found the Universe: The Little Known History of How We Came to Understand the Expanding Universe							
2:15 – 3:00		Break, Poster & Exhibit Viewing, Share-a-Thon						
3:15 – 4:15 1-Hour Workshops			Larsen: "In the Beginning": Using Creation Myths in the Astronomy Classroom	Slater: An Introduction to Backwards Faded Scaffolding in the Astro 101 Laboratory Course	Prather: Engaging Students with Pencil-and-Paper and Computer- Delivered Ranking Tasks: Quantitative Reasoning Activities that Increase Learning	Perkins: Exploring Easy and Effective Ways to Use PhET's Web-based Interactive Simulations in Your Astronomy Course	Bailey: Using Concept Inventories to Gauge Student Understanding in Astronomy	
4:30 – 5:30 1-Hour Workshops			Carr: Connecting Astronomy 101 with K-12 Science Standards	Morrison: Dealing with Cosmophobia and Doomsday 2012	Wallace: Engaging Students with Cosmology Lecture- Tutorials	Rector: Doing Authentic Scientific Research in the Classroom with Spectroscopy	McCray: Simulations for Learning Astronomical Phenomena	

DETAILED SCHEDULE BY DAY: COSMOS IN THE CLASSROOM 2010

WEDNESDAY, AUGUST 4, 2010 • SESSIONS LISTED BY LEAD PRESENTER

	CRISTOL CHEMISTRY 140	UMC BALLROOM	EATON 125	EATON 135	EATON 150	EATON 1B80	EATON 1B90	OTHER
7:30								Registration Desk Open
8:30 – 9:30 Morning Joint Plenary Session 3	Solomon: A World of Change: Climate Yesterday, Today, and Tomorrow							
9:30 – 10:00		Coffee Break, Poster & Exhibit Viewing, Share-a-Thon						
10:00 – 11:00 1-Hour Workshops			Urquhart: Challenges and Strategies of Lunar Phases in Introductory Astronomy: The Use of "Mental Model Building" Methodology and Scaffolding Tools in Teaching Lunar Phases	Shipman: Astronomy as the Core Element for Interdisciplinary Courses	Lyons: Get Out From Behind the Podium: Creating Your Own Lecture-Tutorial-Style Activities that Work!	Sparks: Integrating the Galileoscope into the College Classroom	Bruning: Teaching Your First Astro 101 Course: What They Don't Tell You	
11:15 – 12:05 Special Interest Group Discussions			Larsen: Students as Starry Messengers: Engaging Astro 101 Students through Service-Learning and Community Engagement	Morrison: Teaching Astrobiology	Slater: Multi-Institutional Collaborative Astronomy Education Research	Wynn-Williams: What to Leave Out of Astro 101	O'Donoghue: Teaching Climate Change	
12:05 – 1:15								Lunch on your own
1:15 – 2:15 1-Hour Workshops			Morrow: Using Kinesthetic Learning Techniques with College Students to Improve Understanding of Spatially Rich Topics Such as Seasons and Milankovitch Cycles	Partridge: Dime-Store Space Curvature	Monowar-Jones: Using Observational Exercises in Online Astronomy 101 Courses	Bennett: Mastering Astronomy: On-line Homework to Build Student Understanding	Hufnagel: Innovative Strategies for Empowering Your Students to Become Active, Responsible Learners	
2:15 – 2:45		Break, Poster & Exhibit Viewing, Share-a-Thon						
3:00 – 4:00 1-Hour Workshops				Petersen: You Can Create a Podcast/ Vodcast		Wynn-Williams: Stealth Physics 101: How to Teach Students Important Bits of Physics Under the Guise of Teaching them Astronomy	Newbury: Concept Mapping in Astro 101	
4:15 – 5:15 Afternoon Plenary Session 3	Slater (moderator), Bruning (scribe): Tricks of the Trade: Effective Classroom Management (An Open Microphone Session)							
5:15 – 6:15		Closing Discussions and "Rocky Mountain High" Happy Hour						