

# DETAILED SCHEDULE BY DAY

MONDAY, SEPTEMBER 14, 2009 • SESSIONS LISTED BY SENIOR PRESENTER

## Key to Conference Strands

**BF** = Bridging to the Future

**IYA** = Building on the Momentum of the  
International Year of Astronomy

**RP** = Refining Our Practice

**YS** = Connecting the Sciences in the Year of Science

	SEQUOIA	REDWOOD	POPLAR	LAUREL	OAK	HICKORY HAWTHORNE	CYPRESS	ASPEN	OTHER
7:00		Breakfast							Registration Desk Open
8:00 – 9:30	Opening Remarks & Keynote Session								
9:30 – 10:15	1-minute Poster Presentations (Posters 1–30)								
10:15 – 10:45		Break, Poster & Exhibit Viewing							
10:45 – 11:30 10-minute orals 45-minute sessions	<p><b>Session Chair:</b> Gibbs</p> <p><b>Granger:</b> Comparing the Efficacy of Reform-Based and Traditional/Verification Curricula to Support Student Learning About Space Science <i>[RP]</i></p> <p><b>Rudolph:</b> A National Study Assessing the Teaching and Learning of Introductory Astronomy Part I: The Effect of Interactive Instruction <i>[RP]</i></p> <p><b>Walters:</b> NASA/Capitol College Space Operations Institute Project: A Problem Based Learning Approach <i>[RP]</i></p> <p><b>Cobb:</b> Astronomy in the Classroom for Mature Lifelong Learners <i>[RP]</i></p>		<p><b>Sharma:</b> Successful E/PO Strategies for Engaging Girls and Young Women in Astronomy <i>[RP]</i></p>	<p><b>Session Chair:</b> Steinberg</p> <p><b>Squires:</b> Leveraging New Media Technology to Reveal the Hidden Universe <i>[BF]</i></p> <p><b>Wyatt:</b> Fragile Planet and a Cosmological Perspective on Environmental Issues <i>[BF]</i></p> <p><b>Manning:</b> ASP: Gearing Up for the Next 120 <i>[BF]</i></p> <p><b>Ratcliffe:</b> Visualization and Its Educational Implications in the Modern Planetarium <i>[BF]</i></p>		<p><b>Session Chair:</b> Fraknoi</p> <p><b>Fienberg:</b> The Galileoscope: Gateway to a Lifelong Interest in Astronomy <i>[IYA]</i></p> <p><b>Garcia:</b> Astronomy Education in Rapa Nui <i>[IYA]</i></p> <p><b>Pantoja:</b> The International Year of Astronomy in Puerto Rico: Progress Report <i>[IYA]</i></p> <p><b>Simmons:</b> Astronomers Without Borders: Taking IYA2009 into the Future <i>[IYA]</i></p>	<p><b>Berglund:</b> Using Free, Open Source Stellarium Software During IYA <i>[IYA]</i></p>	<p><b>Alena:</b> Windows on the Weather — View the weather from various locations across the country using a network of live webcams superimposed upon a satellite image <i>[YS]</i></p>	
11:30 – 1:30									Lunch on your own
1:30 – 3:00 Interactive Plenary Panel Session	<p><b>Interactive Plenary Panel Session:</b> Collaboration Across the Sciences: How Can We Improve Our Practice and Prepare the Future Workforce?</p>								
3:00 – 3:30		Break, Poster & Exhibit Viewing							
3:30 – 5:00 90-min sessions			<p><b>Hooper:</b> Learning to Become a More Effective Research or Learning Project Mentor <i>[RP]</i></p>	<p><b>Richman:</b> Fertile Ground for Astronomy in National Parks <i>[BF]</i></p>	<p><b>Mendez:</b> The Spectrum of Citizen Science Projects in Astronomy and Space Science <i>[BF]</i></p>	<p><b>Stimmer:</b> Science in School and Afterschool: Making the Equity Connection <i>[BF]</i></p>	<p><b>Walker:</b> Building on IYA: The Dark Skies Awareness Program <i>[IYA]</i></p>	<p><b>Fraknoi:</b> Pseudoscience Across the Disciplines: How Different Sciences Respond <i>[YS]</i></p>	
5:00									Adjourn
5:15 – 7:00	NASA Town Hall Meeting								
7:30	Public Talk by Dr. John M. Grunsfeld, NASA								

# DETAILED SCHEDULE BY DAY

TUESDAY, SEPTEMBER 15, 2009 • SESSIONS LISTED BY SENIOR PRESENTER

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	SEQUOIA	REDWOOD	POPLAR	LAUREL	OAK	HICKORY HAWTHORNE	CYPRESS	ASPEN	OTHER
<b>7:00</b>		Breakfast							Registration Desk Open
<b>8:00 – 9:30</b> Interactive Plenary Panel Session	<b>Interactive Plenary Panel Session:</b> International Year of Astronomy: Can We Keep the Party Going?								
<b>9:30 – 10:15</b>	1-minute Poster Presentations (Posters 31–58)								
<b>10:15 – 10:45</b>		Break, Poster & Exhibit Viewing							
<b>10:45 – 11:30</b> 10-minute orals 45-minute sessions	<b>Session Chair:</b> Prather <b>Smecker-Hane:</b> Beyond Outreach: Expanding the UCI Astronomy Outreach Program <i>[RP]</i> <b>Kohlmiller:</b> Using Magic to Teach Science <i>[RP]</i> <b>Hemenway:</b> Lessons Learned from the "Age of the Milky Way" Workshop Evaluation <i>[RP]</i> <b>Lubowich:</b> Music and Astronomy Under the Stars — 2009 <i>[IYA]</i>			<b>van der Veen:</b> Planck Visualization Project: Seeing and Hearing the Cosmic Microwave Background <i>[BF]</i>	<b>Session Chair:</b> Daou <b>Porro:</b> After-School Astronomy from the Basement to the Roof Top! <i>[BF]</i> <b>Chou:</b> David Dunlap Observatory — Back to the Future <i>[BF]</i> <b>Hollow:</b> Building Educational Programs for the Australian Square Kilometre Array Pathfinder <i>[BF]</i> <b>Smith:</b> The Promise of the Webb Space Telescope <i>[BF]</i>	<b>Session Chair:</b> Bartolone <b>Bartolone:</b> Resources for IYA and Beyond from NASA's Interstellar Boundary Explorer Mission <i>[IYA]</i> <b>Hasan:</b> IYA2009 NASA Programs: Mid year status <i>[IYA]</i> <b>Lowes:</b> NASA Solar System Observation and Exploration in the IYA <i>[IYA]</i> <b>Summers:</b> Reaching New Audiences Through Libraries: Impact of the IYA Traveling Exhibit "Visions of the Universe" <i>[IYA]</i>	<b>Heatherly:</b> Challenges of Radio Astronomy Outreach — Panel Session <i>[RP]</i>	<b>Thieman:</b> Sun-Earth Days — A 10-year Cycle of Reaching a Wide and Diverse Audience of Millions <i>[YS]</i>	
<b>11:30 – 1:30</b>									Lunch on your own
<b>1:30 – 3:00</b> Interactive Plenary Panel Session:	<b>Interactive Plenary Panel Session:</b> Refining Our Practice: Can We Really Make an Impact?								
<b>3:00 – 3:30</b>		Break, Poster & Exhibit Viewing							
<b>3:30 – 4:15</b> 45-minute sessions 90-minute sessions (Part 1)				<b>Dusenbery:</b> Exhibit Development from A to Z <i>[RP]</i>	<b>Erickson:</b> Integrating Science and Literacy to Teach About the Solar System <i>[RP]</i>	<b>Gurton:</b> Starting a Project ASTRO in Your Area is Easier than You Think <i>[RP]</i>	<b>Pompea:</b> IYA 2009 Cornerstone Projects: What's Available for You <i>[IYA]</i>	<b>Hurst:</b> Natural Science in a Natural Setting — A Discussion on EPO in our Nation's Parks <i>[RP]</i>	
<b>4:15 – 4:30</b>		Break, Poster & Exhibit Viewing							
<b>4:30 – 5:15</b> 45-minute sessions 90-minute sessions (Part 2)			<b>Partridge:</b> Lessons Learned from a Consortium of Small Astronomy Departments <i>[RP]</i>	<b>Dusenbery:</b> Exhibit Development <i>(continued)</i>	<b>Schultz:</b> Teaching & Learning with a NASA-Sponsored GEMS Space Science Curriculum <i>[RP]</i>	<b>Heyer:</b> The Mauna Kea Observatories Outreach Committee Brings Astronomy to the Hawaiian Public <i>[IYA]</i>	<b>Pompea:</b> International Year of Astronomy 2009 Cornerstone Projects <i>(continued)</i>	<b>Hurst:</b> Natural Science in a Natural Setting — A Discussion on EPO in our Nation's Parks <i>(continued)</i>	
<b>5:00</b>									Adjourn
<b>6:30</b>									Awards Banquet

# DETAILED SCHEDULE BY DAY

WEDNESDAY, SEPTEMBER 16, 2009 • SESSIONS LISTED BY SENIOR PRESENTER

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7:00		Breakfast							Registration Desk Open
8:00 – 9:30 Interactive Plenary Panel Session	<b>Interactive Plenary Panel Session:</b> The Future is Here: Can EPO Navigate the Digital Age?								
9:30 – 10:15 45-minute sessions			<b>Scalice:</b> Crossroads and Connections: An Evolving Relationship between NASA and the Navajo Nation <i>[RP]</i>	<b>Berendsen:</b> Understanding and Supporting a Culture of Public Outreach in Amateur Organizations <i>[BF]</i>	<b>SubbaRao:</b> Building Museum University Partnerships <i>[RP]</i>	<b>Watzke:</b> "From Earth to the Universe": A Worldwide Exhibition of Astronomical Images <i>[IYA]</i>	<b>Gould:</b> Transits, Binaries, and Hands- On Universe <i>[IYA]</i>	<b>Kang:</b> Panelist poster viewing in advance of 1:30 session on Remote Data Acquisition for Education Use	
10:15 – 10:45		Break, Poster & Exhibit Viewing							
10:45 – 11:30 10-minute orals 45-minute sessions	<b>Session Chair:</b> Peticolas <b>Arcand:</b> Aesthetics & Astronomy <i>[RP]</i> <b>Hurt:</b> Visual/ Narrative Synergy for Communicating Technical Concepts <i>[RP]</i> <b>North:</b> Herschel and Planck: Interactive Outreach Activities in the UK <i>[RP]</i> <b>Dussault:</b> The "Black Holes" Traveling Museum Exhibition: Educational Innovations, Challenges, and Preliminary Findings <i>[RP]</i>		<b>Shupla:</b> Maximizing K–12 Science Impact: Working with Teacher Preparation Faculty <i>[RP]</i>	<b>Session Chair:</b> Foster <b>Norsted:</b> Take Me Out to the Ball Game — Science Outreach to Non-traditional Audiences <i>[RP]</i> <b>Prather:</b> The Center for Astronomy Education (CAE) Ushers in a New Community-Based Model for Astronomy Education Research <i>[RP]</i> <b>Gibbs:</b> Capitol College Center for Space Science EPO: Providing STEM Education <i>[RP]</i>	<b>Van Doren:</b> Principles of Inquiry: Using interactive notebooks in formal education programs <i>[RP]</i>	<b>McLain:</b> Polar-SIM Hydrobot Explorer: Experience the Thrill of Piloting a Hydrobot Under the Ice in Antarctica <i>[YS]</i>	<b>DeVore:</b> Kepler Mission: Lessons Learned from Teacher Professional Development Workshops <i>[RP]</i>	<b>Kang:</b> Panelist poster viewing in advance of 1:30 session on Remote Data Acquisition for Education Use	
11:30 – 1:30									Lunch on your own
1:30 – 3:00 90-minute sessions			<b>Steinberg:</b> Partnerships with EPO Programs of NSF Research Centers <i>[YS]</i>	<b>Landsberg:</b> WorldWide Telescope & GoogleSky New Technologies to Engage Students & the Public <i>[BF]</i>	<b>Schatz:</b> Developing Scientists as Effective Communicators with Public Audiences <i>[RP]</i>	<b>Mattson:</b> Science Journalism: Using Science Literacy to Teach Fundamental Science <i>[RP]</i>	<b>Sparks:</b> Building on IYA: The Galileoscope Program <i>[IYA]</i>	<b>Kang:</b> Remote Data Acquisition Access and Issues for Research and Educational Use by Students, Teachers, and Amateur Astronomers <i>[BF]</i>	
3:00 – 3:30		Break, Poster & Exhibit Viewing							
3:30 – 5:00 Concluding Plenary Session:	<b>Concluding Plenary Session:</b> Rapporteurs and Final Remarks								
5:00									Adjourn