

2006 CHAUTAUQUA PROGRAM

WESTERN

CENTRAL

EASTERN

	CAL	UWA	AK-HI	RMT	TXA	GVSU	DAY	PITT	FL	RPI
1. Calibrated Peer Review: A Writing and Critical Thinking Instructional Tool ARLENE RUSSELL, UCLA and TIM SU, City College of San Francisco	June 19-21									
2. The POGIL Classroom: Engaging Students and Developing Learning Skills DAVID HANSON and TROY WOLFSKILL, State Univ. of NY at Stony Brook										
3. Advanced POGIL Workshop: Writing Materials and Improving Classroom Facilitation RICK MOOG, Franklin & Marshall College, ANDREI STRAUMANIS, College of Charleston, and RENEE COLE, Central Missouri State University						June 9-11				
4. Practical Considerations for Developing Science Process Skills in the Natural Sciences: Providing a Foundation for Inquiry WILLIAM J. STRAITS, California State University Long Beach and R. RUSSELL WILKE, Angelo State University					July 13-15					
5. Pseudo-Science, Scientism, and Science: Fallacies in the Logic of Scientific Testing GARY MAR, Stony Brook University										
6. Inquiry Based Instruction: Enhance the Way You Teach and the Way Your Students Learn THOMAS LORD, Indiana Univ. of PA, TEDDIE PHILLIPSON-MOWER, Indiana Univ., SHAROLYN BELZER, Idaho State Univ., KERRY CHEESMAN, Capital Univ., and KELLY BOHRER, Univ. of Dayton							June 12-14			
7. Classroom Management: How to Teach Like a Pro DELANEY KIRK, Drake University		Aug 3-5							Jan. 4-6 2007	
8. Classroom Management II: Tips to Help You Become an Even More Effective Teacher DELANEY KIRK, Drake University		July 13-15								
9. Using Case Studies to Teach Science - A Workshop CLYDE FREEMAN HERREID, University of Buffalo/SUNY, National Center for Case Study Teaching in Science										
10. The Five Biggest Unsolved Problems in Science: An Interdisciplinary Perspective CHARLES M. WYNN, SR., Eastern Connecticut State University and ARTHUR W. WIGGINS, Oakland (Michigan) Com. College										
11. Peer - Led Team Learning PRATIBHA VARMA-NELSON, Northeastern Illinois University and MARK CRACOLICE, The University of Montana	June 22-24									
12. Introduction to Peak Oil REX L. BERNEY, ROBERT J. BRECHA, and BRUCE A. CRAVER, University of Dayton							May 22-24			
13. Energy Development in the Arctic JOHN KELLEY, University of Alaska Fairbanks, GILBERT YANOW, NASA Jet Propulsion Laboratory, ret.			June 7-9							
14. Alternative Energy and Energy Management GILBERT YANOW, NASA/Jet Propulsion Laboratory	May 29- June 1									
15. Mechatronic System Design: Integrating Mechanical, Electrical, Control, and Computer Engineering KEVIN CRAIG, Rensselaer Polytechnic Institute										June 12-14
16. Nanotechnology, Nanostructured Materials and Devices R. W. Siegel, P. M. Ajayan, J. Dordick, S. Garde, P. Keblinski, L. S. Schadler, and E. F. Schubert - Rensselaer Nanotechnology Center, Rensselaer Polytechnic Institute										June 12-13
17. Increasing the Retention of Under-Represented Groups - And the Learning of All Groups - In Science, Technology, Engineering and Mathematics Courses CRAIG E. NELSON, Indiana University and ROBERT GROSSMAN, Kalamazoo College							May 11-13			

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18. Women and Minorities in the Sciences: How Faculty Can Make a Difference CATHERINE DIDION, International Network of Women Engineers and Scientists (INWES) and JAMES H. STITH, American Institute of Physics										
19. Connecting Mathematics with Engineering and the Sciences BERND SCHROEDER, Louisiana Tech University					July 20-22					
20. Pedagogy and Methodology of Using Maple in the Classroom ROBERT LOPEZ, Maplesoft, Inc.						May 12-14				
21. Abandoning Dead Ends: Presenting the Heart of Mathematics to All Students MICHAEL STARBIRD, The University of Texas at Austin					May 25-27					
22. Teaching a Course in Combinatorial Mathematical Games MORTON BROWN, University of Michigan	June 19-21									
23. Knot Theory COLIN ADAMS, Williams College				June 25- July 15						
24. Ancient Maya Mathematics in the Highlands of Guatemala ED BARNHART, Maya Exploration Center					July 15-22					
25. Cryptology and The Breaking of the Axis Codes During WWII at Bletchley Park, England ROBERT E. LEWAND, Goucher College, FRANK CARTER and JOHN HARPER, (Bletchley Park Trust)	Aug. 1-4									
26. Using Research Based Curricula and Tools to Promote Active Learning in Introductory Courses PRISCILLA W. LAWS, Dickinson College, DAVID R. SOKOLOFF, University of Oregon and RONALD K. THORNTON, Tufts University	June 4-6									
27. Archaeoastronomy in the Maya Ruins of Peten, Guatemala: Tikal, Uaxactun, Seibal, and Flores ED BARNHART, Maya Exploration Center					July 7-13					
28. Teaching Introductory College-Level Astronomy and Astrobiology EDWARD PRATHER and TIM SLATER, University of Arizona	June 3-4									
29. Teaching Introductory Astronomy GARETH WYNN-WILLIAMS, University of Hawaii at Manoa							June 2-4			
30. A Radio View of the Universe and the New Green Bank Telescope RICHARD PRESTAGE and STAFF, National Radio Astronomy Observatory							May 30- June 1			
31. Interferometry in Radio Astronomy, the VLA and the VLBA DAVID G. FINLEY, National Radio Astronomy Observatory				July 12-14						
32. Exploring the Extragalactic Universe ANDREW WEST, University of Washington		July 6-8								
33. Radio Astronomy in the Undergraduate Classroom PREETHI PRATAP, MIT and the MIT Haystack Observatory Staff										
34. Combined Astronomy Part I: Teaching Astronomy Under Hawaiian Skies and The Great Observatories of Mauna Kea EDWARD PRATHER and TIM SLATER, University of Arizona and GILBERT YANOW, NASA/Jet Propulsion Laboratory			July 17-19							
35. Combined Astronomy Part II: Teaching Astronomy Under Hawaiian Skies and The Great Observatories of Mauna Kea EDWARD PRATHER and TIM SLATER, University of Arizona and GILBERT YANOW, NASA/Jet Propulsion Laboratory			July 20-21							

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36. Pacific Northwest Earthquakes: Evidence in Native Myth and Tradition RUTH LUDWIN, University of Washington		Aug. 3-6								
37. Volcanism and Volcanic Hazards at Lassen Peak and Crater Lake BILL HIRT, College of the Siskiyous		July 24-27								
38. Hawaiian Volcanoes from Mauna Kea to Loihi ALEXANDER MALAHOFF, University of Hawaii at Manoa		July 24-28								
39. Earthquakes and Tsumanis: Alaska 9.2 KRISTINE CROSSEN, University of Alaska Anchorage			June 21-23							
40. Seismic Imaging of the Earth's Interior RAY RUSSO, University of Florida		July 16-18								
41. Space Physics: The Sun-Earth Connection CAROL PATY and ROBERT WINGLEE, University of Washington		July 13-15								
42. Meteorites and Meteor Crater TED BUNCH and JIM WITTKE, Northern Arizona University				June 16-18						
43. The Science of the Earth System as Told at the American Museum of Natural History EDMOND MATHEZ and JAMES WEBSTER, American Museum of Natural History										
44. Earth System, Changing Global Climate, Hurricanes and Extreme Weather RICHARD GAMMON, University of Washington		June 22-24								
45. Atmospheric Science Utilizing High-Altitude Balloon Experiments TIM BROWER and CLAUDE KANSAKU, Oregon Institute of Technology		June 26-29								
46. Geology and Thermobiology in Yellowstone National Park TONY IRVING, University of Washington and SCOTT MILLER, University of Montana				July 20-23						
47. Glaciers in Alaska KRISTINE J. CROSSEN, University of Alaska Anchorage			June 28-30							
48. The Missoula Floods - Source to Sea TONY IRVING, University of Washington				July 24-27						
49. Geoinformatics: From Data to Knowledge KRISHNA SINHA, Virginia Tech and TONY IRVING, University of Washington		July 11-13								
50. The Solar System Report DAVID SEIDEL, NASA/Jet Propulsion Lab. And GILBERT YANOW, NASA/Jet Propulsion Lab,ret	June 20-22									
51. Astrobiology: Life and Death on Planets DONALD BROWNLEE and PETER WARD, University of Washington		July 10-12								
52. Canadian Dinosaurs: From the Badlands to the Royal Tyrrell Museum TONY IRVING and ELIZABETH NESBITT, University of Washington		July 28-31								
53. Chemistry for Non-Science Majors: The American Chemical Society's Curriculum: Chemistry in Context CONRAD STANITSKI, University of Central Arkansas and CATHY MIDDLECAMP, University of Wisconsin, Madison										
54. Making Undergraduate Science Courses More Applicable to Future Health Care Professionals ELMER GENTRY and EDWARD FISHER, Midwestern University College of Pharmacy-Glendale, Arizona		Aug. 1-3		Jan. 4-6 2007						

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55. Circadian Biology: From Clock Genes and Cellular Rhythms to Sleep Regulation J. WOODLAND HASTINGS, CHARLES A. CZEISLER and STEVEN W. LOCKLEY, Harvard University										
56. Cell Biology For Life: A Web Based Collection of Interdisciplinary Modules for Active Learning KATAYOUN CHAMANY, Eugene Lang College, New School University										
57. The Biology of Bats in Big Bend National Park MICHAEL T. DIXON, Angelo State University					July 17-21					
58. Birding in the Lower Rio Grande Valley of Texas R. RUSSELL WILKE, Angelo State University and WILLIAM J. STRAITS, California State University Long Beach					May 17-21					
59. Biological Digital Imaging and Field Photography at the University of Minnesota - Itasca Biological Station and Laboratories DONALD L. RUBBELKE, Lakeland Community College and DAVID BIESBOER, University of Minnesota					July 11-15					
60. Psychoactive Drugs and the Molecular Biology of the Neuron DAVID DRESSLER, Oxford University										
61. Frontiers in Genomics BRUCE NASH, GREGORY CHIN, and UWE HILGERT, Dolan DNA Learning Center of Cold Spring Harbor Laboratory								June 5-9		
62. Plant Genomics and Gene Annotation UWE HILGERT and JEANETTE COLLETTE, Dolan DNA Learning Center of Cold Spring Harbor Laboratory								June 12-16 19-23		
63. Plant Molecular Genetics, Genomics, and Bioinformatics UWE HILGERT and JEANETTE COLLETTE, Dolan DNA Learning Center of Cold Spring Harbor Laboratory										
64. A Hands-On Tour Through the Word of Bioinformatics LINNEA FLETCHER, Austin Community College SANDRA G. PORTER, Geospiza, Inc					June 8-10					
65. Bioinformatics Education Dissemination: Reaching Out, Connecting, and Knitting-Together JOHN R. JUNGCK and SAM DONOVAN, BioQUEST Curriculum Consortium at Beloit College						Aug. 9-11				
66. Studying Evolution with Bioinformatics LINNEA FLETCHER, Austin Community College and SANDRA G. PORTER, Geospiza, Inc.					June 12-14					
67. Evolution Education: A Delicate Balance Between Science, Controversy and Pedagogy GREGORY A. FORBES, Evolution Education Institute							June 1-3			
68. Teaching Evolution: Applying Critical Thinking and Other Effective Pedagogical Strategies CRAIG E. NELSON, Indiana University							Oct. 19-21			
69. The Molecular Basis of Disease DAVID DRESSLER, Oxford University									March 29-31	
70. Effective Teaching Methods for Biology and Environmental Studies DAN PERLMAN, Brandeis University										
71. Increasing Student Interest in the Sciences by Introducing Forensic Science into the College Classroom EDWARD B. WALDRIP and HUGH E. BERRYMAN, Southern Institute of Forensic Science, Mississippi and Middle Tennessee State University, Murfreesboro, Tennessee					July 24-26					
72. The Application of Forensic Anthropology and Forensic Pathology to Stimulate Student Interest in the Sciences EDWARD B. WALDRIP and HUGH E. BERRYMAN, Southern Institute of Forensic Science, Mississippi and Middle Tennessee State University, Murfreesboro Tennessee					July 27-29					

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73. Estuarine Science and Oceanography in the San Juan Islands JAN NEWTON, University of Washington		June 8-11									
74. Life Beneath the Surface RITA BELL, Monterey Bay Aquarium	Aug. 14-16										
75. Ecology of Mammals of the Adirondack Mountains JOSEPH F. MERRITT, US Air Force Academy and WILLIAM P. PORTER, SUNY College of Environmental Science and Forestry											Ju A
76. The Ecology and History of the Mojave Desert Region, Desert Studies Center MICHAEL BONDELLO, Allan Hancock College and ROBERT FULTON, Desert Studies Center	May 26-30										
77. Ecology of South-Central Alaska BJARTMAR SVEINBJORNSSON and DONALD SPALINGER, University of Alaska Anchorage			June 24-26								
78. Ecology and Geology of the Colorado Front Range P. KELLY WILLIAMS, University of Dayton, and DONALD SULLIVAN, University of Denver				July 25-29							
79. Geology and Ecology of the Colorado Western Slope DONALD SULLIVAN, University of Denver, and P. KELLY WILLIAMS, University of Dayton				July 30- Aug. 3							
80. Ethnobotany in the Oaxaca Valley, Mexico ED BARNHART, Maya Exploration Center					June 24-30						
81. Geomorphology, Environment and Sustainable Development of Tropical Islands: The Puerto Rico Case JOSE MOLINELLI, University of Puerto Rico, Rio Piedras											
82. The Florida Keys: A Geographical and Environmental Overview JIM WYSONG and KEN THOMAS, Hillsborough Community College									July 14-16		
83. Marine Ecosystems of Belize LAURENCE MEISSNER, Concordia University					Jan. 2-6 2007						
84. Tropical Forests of Costa Rica BARBARA L. BENTLEY, Noetica Naturalists											1
85. Alaska Native Cultures of Southeast Alaska PRISCILLA SCHULTE, University of Alaska Southeast-Ketchikan, Alaska			June 27-30								
86. Galileo's Genius Viewed in Craft, Engineering, Scientific, Artistic and Political Context DONALD SALISBURY, Austin College and THOMAS SETTLE, Florence Science History Museum					May 26-31						
87. Science and Leonardo RALPH DAVIS, Albion College											
88. The Portuguese Discoveries and its Scientific, Political, Religious and Artistic Impact LUIS TINOCA, University of Lisbon and CARLOS OLIVEIRA, University of Texas at Austin					June 14-19						
89. Eugenics Revisited ELOF AXEL CARLSON, Stony Brook University											
90. Securing the Homeland/Developing Disaster Resilience Paula Scalingi and Lester Paldy, Stony Brook University											

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	CAL	UWA	AK-HI	RMT	TXA	GVSU	DAY	PITT	FL	RPI
91. Science and Social Justice ALAN MCGOWAN, New School University										
92. The Birthplace and Early History of the Atomic Bomb FERENC M. SZASZ, University of New Mexico and Other Speakers				Oct. 5-7						
93. China Confronts New Security Issues SU HAO, Foreign Affairs University, Beijing, People's Republic of China and BRETT MCCORMICK, Otterbein College										
94. Pakistan's Security Perspectives: An In-Country View HAYAT KHAN, Rawalpindi College of Science and Technology and Iqra University, MUHAMMAD RASHID MAFZOOK ZAKA, Iqra University and LESTER PALDY, State University of New York at Stony Brook										
95. Social Movements and Globalization JACKIE SMITH, University of Notre Dame										
96. Experimental Economics AL ROTH, DAVID LAIBSON, and ROBERT NEUGEBOREN, Harvard University										
97. An Introduction to LabVIEW and ELVIS REX L. BERNEY and PETER E. POWERS, University of Dayton							May 15-17			
98. Just-In-Time Teaching: Blending Active Learning with Web Technology GREGOR NOVAK, EVELYN T. PATTERSON, United States Air Force Academy, JAMES BENEDICT, James Madison University, and KATHLEEN MARRS, Indiana University Purdue University Indianapolis										
99. Towards Developing Interactive Multimedia Materials for the Classroom I and II Don Lewis Millard, Rensselaer Polytechnic Institute										July 19-21 24-26
100. Introduction to Visual Basic.NET Programming JUDITH L. GERSTING, University of Hawaii at Hilo							June 15-17			
101. Introductory Level Programming with Objects Early JOSEPH E. LANG, University of Dayton							May 18-20			
102. Using Access, SQL Server, SQL, and XML in Your Database Course JOHN M. GERSTING, University of Hawaii at Hilo							June 15-17			
103. Advanced Java Programming Language JOSEPH E. LANG, University of Dayton							May 22-24			
104. Hands-On Networking WAYNE C. SUMMERS, Columbus State University and REX L. BERNEY, University of Dayton							May 18-20			
105. Introduction to Computer and Network Security WAYNE C. SUMMERS, Columbus State University							May 22-24			