

ASTC STRATEGIC PRIORITIES SESSIONS INDEX

Alliances & Partnerships

Saturday, October 2

Adding 6th Grade to a Museum-School Science Initiative for Urban 7th and 8th Grades.....	87
At the Heart of a Co-Design Adventure.....	87
Bakersfield Adventures for the Mind (BAM).....	87
Hands on an Aquarium.....	86
Let's Refine a Roadmap for Community Partnerships.....	45
Moving Science Curricula Forward: A Collaborative Project.....	86
Navigating Our Future Through Volunteering: Best Practices in Utilizing Volunteers.....	44
Out of Reach? Educating with Multimedia and Web-based Technologies.....	45
Public Engagement and Civic Discourse: Charting a Course for Science Centers.....	46
Science Academy Program.....	87
Science Alliances and Partnerships with Libraries.....	86
Science Clubs: A New Model to Expand Our Field.....	43
Science Olympiad: Navigating Hawaii's Communities Through Community Partnerships.....	87
The Galileoscope Star Party Project: Experiments Using the Galileoscope to Engage the Public in Astronomy.....	87
Training the Underserved: A Case Study.....	87
Working with Science Centers to Promote Creativity in STEM Learning and Teaching.....	87

Sunday, October 3

400 Years of the Telescope: Collaboration, Partnership, and Evaluation.....	55
Are We There Yet? Reaching Gender Equity in Science.....	54
Awakening the Cultural Roots of Science through Hawaiian Astronomy and Navigation.....	52
Building a Flexible Framework for Public-Engagement Partnerships.....	53
Girls RISE: Building Capacity to Engage Minority Girls in STEM.....	56
Making Sustainable Choices: How to Balance the Trade-offs.....	49
Museum and Library Partnerships: Book Groups and Programs for Science.....	53
NASA Showcase: Ways to Bring Current NASA Science into Your Institution.....	53
The Sexy Side of Science: Just PR Doing Its Job!.....	53
Toward the Greater Good: How Science Center Leaders Change Society.....	49
Transforming Natural History Museums: Our Relevance and Future.....	55

Monday, October 4

ASTC's Next Top Model: Alternative Approaches to Designing and Building Exhibits.....	64
Helping Visitors Navigate Data: Science on a Sphere Showcase.....	70
In and Around NASA and NOAA: Identifying Grants and Resources.....	64

Interactive Tools for Public Engagement in Science Centers.....	63
Journeying Together: Creating Exhibitions with Communities.....	67
Learning Together: Children, Adults, and Science Exhibits.....	60
NASA Museum Alliance: Going Forward.....	69
Navigating Toward Diversity: Engaging the LGBT Community.....	69
Outreach LIVE: Goin' Global!.....	59
Reaching the Stars: Astronomy for Underserved Audiences.....	62
Science and Society: Illuminating what Matters.....	60
Science for All: Building an International Network of Advocates.....	59
Thinking Big When You're a Small Museum.....	68

Tuesday, October 5

Effective Partnerships and Networks: Making Current Science Relevant.....	76
Navigating Native American Knowledge and Western Science.....	76
Optimizing Corporate Partnerships for Your Benefit and Theirs.....	74
Weaving New Science Paradigms: Collaborations with Native American/Hawaiian Partners.....	73

Impact & Communications

Saturday, October 2

Citizen Science: Problems, Solutions, and Opportunities.....	43
Evaluating the Impact of Science Centers.....	85
Let's Refine a Roadmap for Community Partnerships.....	45
Measuring Impact at the Saint Louis Science Center: A Case Study.....	85
Multiple/Concurrent Evaluations in a Single Institution.....	85
New Funding Sources: Building Institutional Alliances with Research Centers.....	44
Out of Reach? Educating with Multimedia and Web-based Technologies.....	45
Public Impact of a Multimedia Astronomy Collaboration.....	85
Science Assets: Defining the Impact of Museum Education Programs.....	85
Trajectories of Talk: Following Family Learning Conversations from the Museum to the Home.....	85

Sunday, October 3

400 Years of the Telescope: Collaboration, Partnership, and Evaluation.....	55
Building a Flexible Framework for Public-Engagement Partnerships.....	53
Flexibits, Community Events, and Facilitated Involvement.....	54
Living the Science: Bringing Traditional Ecological Knowledge into the Mainstream.....	50
Navigating Engagement: Doing Justice to Both Science and the Public.....	52

ASTC STRATEGIC PRIORITIES SESSIONS INDEX

Rethinking Who We Are: Continuity and Change in Institutional Transitions.....	50
The Sexy Side of Science: Just PR Doing Its Job!.....	53

Monday, October 4

A Model Partnership: Multiplying Impact Through Museum Collaboration.....	61
Breaking Down the Silos: Improving Communications Within Your Organization.....	63
Engaging the Public Without Losing the Message.....	68
Learning Together: Children, Adults, and Science Exhibits.....	60
Outreach LIVE: Goin' Global!.....	59
Social Science: Integrating New Media into Your Communications.....	64
The Museum as Social Medium.....	67

Professional Development

Saturday, October 2

A Paperless Science Center.....	86
Earth Science 3-D.....	86
Exhibit Prototyping Without Tears.....	86
Identity Development of Informal Science Educators: A Dissertation in Progress.....	86
Investigating the Dynamics of Staff-Visitor Interactions at a Science Center.....	85
Neuroscience and Ethics: A Need for Dialogue and Public Engagement.....	42
New Funding Sources: Building Institutional Alliances with Research Centers.....	44
Spectacular Demonstrations; Strategies for Motivating Interest in Science.....	85
Try It! Lab: Integrating Perpetual Prototyping and Visitors into the Exhibit Development Process.....	86

Sunday, October 3

CEO Reflections on Leadership.....	54
Charting Cross-Divisional Involvement in Development.....	54
How to Develop, Motivate, and Re-energize a Diverse Staff... ..	51
Learning by Trying: Rapid, Iterative Prototyping for Exhibits.....	55
Making the Most of a Youth Development and Employment Program.....	53
Making Sustainable Choices: How to Balance the Trade-offs.....	49
Presenting Essential Modern Science: Evolution, Climate Change, and Biotechnology.....	54
Stakeholders and the Successful Journey: Resource Development That Works.....	52
Toward the Greater Good: How Science Center Leaders Change Society.....	49

Monday, October 4

A Model Partnership: Multiplying Impact Through Museum Collaboration.....	61
Are Science Centers Missing the Science? The Sequel.....	64
Building an Outstanding Science Center Board.....	67

Formalizing Informal Science Education.....	68
Humor Me: Humor, Audience, and the Development of Exhibitions.....	60
Involving the Community in Environmental Issues: A Hands-On Garden Workshop.....	70
Learning Together: Children, Adults, and Science Exhibits.....	60
Navigating the Stormy Seas of Exhibit Safety.....	71
Outside In, Inside Out: Varying Approaches to Museums and Environments.....	63
Science for All: Building an International Network of Advocates.....	59

Tuesday, October 5

NSF and Lifelong Learning.....	75
Sometimes a Great Notion.....	74

Science & Society Leadership

Saturday, October 2

Antarctica: Collected Works from the Bottom of the World.....	83
Calling All Geeks: Designing Science Center Programs for Adults.....	84
Citizen Science: Problems, Solutions, and Opportunities.....	43
COSI's Energy and Environment Area of Focus: An Approach to Teaching about Climate Change.....	83
Development of a Framework to Foster Science Literacy in the Science Museum Setting.....	83
Evaluation Findings from the Outreach to Space Collaboration.....	84
ExplorOlogy: Bringing Adventures in Science Discovery to Rural Oklahoma.....	84
Family Experiences in Expedition Health.....	84
Fusing Science and Art to Develop Creativity.....	83
Getting Inside the Visitor Experience at Immersive Exhibits.....	83
If We Build It, Will They Learn?.....	84
Navigating IMLS: Opportunities and Resources.....	45
Navigating Museum-Scientist Partnerships: Models, Logistics, and Results of Effective Programs.....	46
New Funding Sources: Building Institutional Alliances with Research Centers.....	44
Out of Reach? Educating with Multimedia and Web-based Technologies.....	45
Neuroscience and Ethics: A Need for Dialogue and Public Engagement.....	42
Public Engagement and Civic Discourse: Charting a Course for Science Centers.....	46
Robotics Exhibiting Techniques for Science Museums.....	84
Science Clubs: A New Model to Expand Our Field.....	43
The Amazing Rally: A Clever Mobile Game on Traffic and Climate.....	83
UFOs and Aliens: An Exhibition at Gwacheon National Science Museum.....	83
Ye~! Science Camp.....	83
Young Designers Create in Virtual Worlds While Learning 21st-Century Skills.....	84
Zydeco: A Mobile Tool to Support Visitor Inquiry in Museums....	84

ASTC STRATEGIC PRIORITIES SESSIONS INDEX

Sunday, October 3

Building a Flexible Framework for Public-Engagement Partnerships.....	53
CEO Reflections on Leadership.....	54
Creating a Spirit of Discovery Through the REFLECTS Model.....	56
Flexhibits, Community Events, and Facilitated Involvement....	54
Living the Science: Bringing Traditional Ecological Knowledge into the Mainstream.....	50
Making Sustainable Choices: How to Balance the Trade-offs....	49
Navigating Engagement: Doing Justice to Both Science and the Public.....	52
Presenting Essential Modern Science: Evolution, Climate Change, and Biotechnology.....	54
The Sexy Side of Science: Just PR Doing Its Job!.....	53
Toward the Greater Good: How Science Center Leaders Change Society.....	49
Transforming Natural History Museums: Our Relevance and Future.....	55
Why Is Our Field So Risk-Averse ... Or Is It Us?.....	53

Monday, October 4

A Model Partnership: Multiplying Impact Through Museum Collaboration.....	61
Are Science Centers Missing the Science? The Sequel.....	64
Beyond Painting Science Pink: Programs that Engage Girls in STEM, Part 2.....	69
Breaking Down the Silos: Improving Communications Within Your Organization.....	63
Creating an After-School Connection.....	68
Outreach LIVE: Goin' Global!.....	59
Science and Society: Illuminating What Matters.....	60
The Museum as Social Medium.....	67

Tuesday, October 5

NSF and Lifelong Learning.....	75
Promoting Sustainability in Schools Through Teacher Professional Development.....	77

CONFERENCE THEME SESSIONS INDEX

Saturday, October 2

Author and Audience: Harnessing the Power of the Narrative.....	45
Navigating Our Future Through Volunteering: Best Practices in Utilizing Volunteers.....	44
Neuroscience and Ethics: A Need for Dialogue and Public Engagement.....	42
Public Engagement and Civic Discourse: Charting a Course for Science Centers.....	46
Science Clubs: A New Model to Expand Our Field.....	43

Sunday, October 3

Learning by Trying: Rapid, Iterative Prototyping for Exhibits.....	55
Making Sustainable Choices: How to Balance the Trade-Offs.....	49
Rethinking Who We Are: Continuity and Change in Institutional Transitions.....	50
Toward the Greater Good: How Science Center Leaders Change Society.....	49
Transforming Natural History Museums: Our Relevance and Future.....	55
Why Is Our Field So Risk-Averse... Or Is It Us?.....	53

Monday, October 4

Are Science Centers Missing the Science? The Sequel!.....	64
Building an Outstanding Science Center Board.....	67
Journeying Together: Creating Exhibitions with Communities.....	67
Navigating the Stormy Seas of Exhibit Safety.....	71
Navigating Toward Diversity: Engaging the LGBT Community.....	69
Reaching the Stars: Astronomy for Underserved Audiences.....	62
Thinking Big When You're a Small Museum.....	68
Visualization Exploration at 'Imiloa Planetarium.....	68

Tuesday, October 5

Creating New Horizons Through Leadership Programs for Volunteers Aged 50+.....	77
CSI (Culture & Science Integration) Hawaii: Wayfinders Skill Set.....	75
From Casual Visitors to Invested Donors: Navigating the Relationship.....	76
Navigating Native American Knowledge and Western Science.....	76
Sometimes a Great Notion.....	74

POSTER SHOWCASE DIRECTORY

Note: Posters are grouped according to the ASTC Strategic Priorities.

SCIENCE & SOCIETY LEADERSHIP

Poster #6

The Amazing Rally: A Clever Mobile Game on Traffic and Climate

The Amazing Rally, a game about traffic and its solutions, is played within a Heureka exhibition by teams using a mobile handset. The task is to find solutions that will reduce the harmful aspects of traffic.

Presenter: Matti Rossi, Heureka, the Finnish Science Centre, Vantaa, Finland

Poster #14

Antarctica: Collected Works from the Bottom of the World

Coinciding with the 50th anniversary of the Antarctic Treaty Meeting, the Maryland Science Center organized an art exhibit, science demonstrations, educator workshops, and PolarPalooza presentations centered on NSF's Antarctic Artists and Writers Program. Evaluation determined visitors' reaction to and interest in the intersection of art and science in a science center setting.

Presenter: Jim O'Leary, Maryland Science Center, Baltimore

Poster #16

COSI's Energy and Environment Area of Focus: An Approach to Teaching about Climate Change

In dealing with climate change, the educator's challenge is to engage audiences in a complex topic, motivate them to make behavior changes, and help them become informed citizens—all in a typically recreational setting. COSI is responding by linking climate change with energy and natural systems and by conducting research to direct design and measure effectiveness.

Presenter: Sharon Tinianow, COSI, Columbus, Ohio

Poster #18

Getting Inside the Visitor Experience at Immersive Exhibits

Immersive exhibits are believed by many to be more attractive, memorable, and educational than tabletop exhibits, but they are also substantially more expensive to produce. Exploratorium researchers will unveil the results of a two-year comparative study that used video, interview, and follow-up survey data to illuminate the differences between immersive and table-top experiences.

Presenters: Toni Dancu and Josh Gutwill, Exploratorium, San Francisco, California

Poster #20

Ye~! Science

The Ye~! Science Camp built around the five E's (Experiment, Exploring, Enjoyment, Exciting, and Extending) is designed to foster creative science talent and career development among Korean youth through social networking, mentoring by young scientists, team-based science projects, and a science fair.

Presenter: Min Jung Kim, National Science Museum of Korea, Daejeon, South Korea

Poster #23

UFOs and Aliens: An Exhibition at Gwacheon National Science Museum

On October 28, Gwacheon National Science Museum will open a new exhibition, *UFOs and Aliens*, to dispel mysteries and help visitors understand how difficult travel between stars would actually be. Exhibits developed at the museum will address such cutting-edge topics as teleportation, quantum computers, black holes, wormholes, and time machines.

Presenters: Kang Hwan Lee and Man Sun Yu, Gwacheon National Science Museum, Gwacheon, South Korea

Poster #24

Development of a Framework to Foster Science Literacy in the Science Museum Setting

A new framework can help diverse science museums develop educational programs that form a continuous learning system, supporting science literacy in each generation or life stage. The framework fosters comprehensive and synthesized scientific ability, including ways of thinking, decision making, and communication. Our museum has implemented several programs based on the framework.

Presenters: Yoshikazu Ogawa, Hiroyuki Arita, and Shunsuke Nagayama, National Museum of Nature and Science, Tokyo, Japan

Poster #25

Fusing Science and Art to Develop Creativity

Two recent programs at the National Science Museum of Korea fused science with art to spark public interest in and enthusiasm for science concepts. "Concert in Space" overcame prejudice against science with fantastic visible and acoustic effects in the planetarium. "Science Art Exhibition" made it easier to understand hidden fundamentals of science through creative artworks. Both programs were well received by audiences.

Presenter: Bong Ryeol Lee, National Science Museum of Korea, Daejeon, South Korea

POSTER SHOWCASE DIRECTORY

Poster #26

Robotics Exhibiting Techniques for Science Museums

Robot technology is a of state-of-the-art science topic that excites public curiosity, but it is not easy to display robots effectively in museums. The National Science Museum of Korea is working on better techniques to present robots from an engineering point of view.

Presenter: Tae-Beom Ahn, National Science Museum of Korea, Daejeon, South Korea

Poster #27

If We Build It, Will They Learn?

A traveling exhibition, *Charlie and Kiwi's Evolutionary Adventure*, was developed to address the question of whether age-appropriate exhibits prepared children to accept the scientific basis of evolution by targeting their intuitive concepts. This poster will present a novel approach to exhibition design, as well as research undertaken on the effectiveness of the exhibition, using a random assignment design.

Presenters: Martin Weiss, New York Hall of Science, Queens; E. Margaret Evans and Jonathan Lane, University of Michigan; Martin Storksdieck, Director, Board on Science Education, National Academy of Sciences/National Research Council, Washington, D.C.; and Sasha Palmquist, Institute of Learning Innovation, Edgewater, Maryland

Poster #28

ExplorOlogy: Bringing Adventures in Science Discovery to Rural Oklahoma

Cutting-edge science experiences are not always available in rural communities, where teachers and students must work with small budgets and few resources at a long distance from cities. The Sam Noble Museum in Oklahoma has created the ExplorOlogy Project, which takes authentic, field-based science experiences with research scientists to teachers, students, and communities around the state.

Presenters: Holly Hughes and Holli Langlieb, Sam Noble Museum, Norman, Oklahoma

Poster #30

Family Experiences in Expedition Health

In 2009, the Denver Museum of Nature & Science opened *Expedition Health*, a highly interactive permanent exhibition focusing on how the human body changes and adapts in ways we can see, measure, and optimize. Research funded by the Colorado Health Foundation explored how families reacted to, interacted with, learned from, and were affected by the exhibition, both immediately and four months after their visit.

Presenters: Claudia Figueired and Steven Yalowitz, Institute for Learning Innovation, Edgewater, Maryland; and Kathleen Tinworth, Denver Museum of Nature & Science

Poster #35

Young Designers Create in Virtual Worlds While Learning 21st-Century Skills

The New York Hall of Science and Boces SciCentr are creating the Virtual Hall of Science (VHOS), a program that engages diverse youth in designing, building, and staffing a virtual science center. Participants acquire STEM knowledge and information and communication technology (ICT) skills. Evaluation is being conducted by the Center for Children and Technology at the Education Development Center.

Presenter: Georgette Williams, New York Hall of Science, Queens

Poster #36

Evaluation Findings from the Outreach to Space Collaboration

Ten small science centers have spent three years collaborating to implement portable space-themed exhibits in off-site venues, such as festivals and fairs, as a part of the NSF-funded *Outreach to Space* (OTS) project. Evaluation of OTS addresses the effectiveness of strategies to engage rural audiences in science learning and examines the role of partnerships in supporting these strategies.

Presenters: Kasey McCracken and Gina Magharious, David Heil & Associates, Portland, Oregon

Poster #37

Calling All Geeks: Designing Science Center Programs for Adults

A presentation of evaluation results from the Lawrence Hall of Science's "Geek Out" evening science programs focuses on adult audiences' programming interests and the use of social networking sites as marketing tools.

Presenters: Maia Werner-Avidon, Scott Randol, and Gretchen Walker, Lawrence Hall of Science, Berkeley, California

Poster #44

Zydeco: A Mobile Tool to Support Visitor Inquiry in Museums

Zydeco, a combination of online and handheld supports, facilitates "nomadic inquiry" in museums by letting staff and visitors define goals, questions, and "tags" to annotate photos and information gathered during visits. Once uploaded to the handheld application, these structures guide inquiry, enabling visitors to gather, organize, and annotate materials saved on-site and retrieve them online after a visit. The poster describes the system's initial evaluation with middle schoolers.

Presenters: Clara Cahill, Alex Kuhn, Shannon Schmoll, Alex Pompe, and Chris Quintana, University of Michigan, Ann Arbor

POSTER SHOWCASE DIRECTORY

IMPACT & COMMUNICATIONS

Poster #3

Trajectories of Talk: Following Family Learning Conversations from the Museum to the Home

This poster examines one method for tracking visitor learning over time: looking for changes in family conversations. Researchers followed 29 families before, during, and immediately after their visit to an exhibition on manufacturing.

Presenter: Camellia Sanford, Rockman et al, Bloomington, Indiana

Poster #4

Public Impact of a Multimedia Astronomy Collaboration

Summative evaluation of the 2009 project *400 Years of the Telescope* (still ongoing) has gathered data from public respondents who experienced the project web site, documentary, planetarium program, and star parties. Methods included an initial online survey, a follow-up online survey, and telephone interviews.

Presenters: Susan Foutz and Steven Yalowitz, Institute for Learning Innovation, Edgewater, Maryland

Poster #7

Measuring Impact at the Saint Louis Science Center: A Case Study

Since 2005, the Saint Louis Science Center has attempted to quantify and describe the impact of its educational programs. Lessons learned include creating buy-in from staff at all levels; developing multiple and accessible ways to communicate findings; and building an iterative process of review and improvement into the system.

Presenter: Jennifer Heim, Saint Louis Science Center, St. Louis, Missouri

Poster #10

Evaluating the Impact of Science Centers

By surveying high school seniors, the Sciencenter has been able to document that, 5 to 7 years after they last visited the museum, science center experiences led to improved attitudes about science for over 60% of students and an increased desire to study science in college for over 40% of those who had visited three or more times.

Presenter: Charlie Trautmann, Sciencenter, Ithaca, New York

Poster #12

Multiple/Concurrent Evaluations in a Single Institution

Concurrent research projects at the California Academy of Sciences include evaluation of a multimedia science news exhibit, an enhanced field trip program, a teacher professional development program, a planetarium show, an earthquake show, a youth development program, evening programs, the role of partnerships, and use of Web 2.0 applications. This horizontal approach has encouraged collaborative planning and development across museum departments.

Presenter: Scott Burg, Rockman et al, San Francisco, California

Poster #43

Science Assets: Defining the Impact of Museum Education Programs

The Bakken Museum developed its Science Assets Model to define participant outcomes and assess strategies for achieving these outcomes through the museum's educational programs. The model, which won the Roy L. Shafer Leading Edge Award for Visitor Experience (Small Institution) in 2009, focuses on indicators of positive change to students' attitudes and competencies in terms of confidence, personal relevancy, community, and creativity related to science.

Presenters: Beth Murphy and Nathan Meyer, The Bakken Museum, Minneapolis, Minnesota

PROFESSIONAL DEVELOPMENT

Poster #1

Investigating the Dynamics of Staff-Visitor Interactions at a Science Center

Video analysis of ongoing research into informal interactions between education staff and families at the Oregon Museum of Science and Industry reveals that a process of negotiation of role, goal, and agenda among participants is critical to shaping outcomes.

Presenter: Scott Pattison, Oregon Museum of Science and Industry, Portland

Poster #15

Spectacular Demonstrations; Strategies for Motivating Interest in Science

In a science museum, interactive live demonstrations bring science into daily life, stimulate curiosity, and convey a sense of wonder at the world around us. An evaluation of eight science demonstrations at Universum Science Museum serves to quantify their effectiveness as learning strategies from a museologic point of view.

Presenter: Maria Teresa Josefina Pérez de Celis Herrero, Universidad Nacional Autónoma de México, Mexico City

POSTER SHOWCASE DIRECTORY

Poster #21

Identity Development of Informal Science Educators: A Dissertation in Progress

Science centers seek to create lasting impact on visitors, but we pay little attention to the people we see day after day, year after year—our own staff. Using a transformative learning framework and critical ethnographic approach, my dissertation will track the professional growth and identity development of 15 museum staffers in 5 institutions (5 countries) for 2½ years.

Presenter: Andrea Motto, Virginia Polytechnic and State University, Blacksburg, Virginia

Poster #31

Try It! Lab: Integrating Perpetual Prototyping and Visitors into the Exhibit Development Process

Located in a multi-museum complex, Try It! Lab is a dynamic space that provides a platform for studying guest interactions as existing exhibits are modified or supplemented or prototype exhibits are added and removed. We will share what we have learned in our first two years of experimentation.

Presenters: Blake Wigdahl and Dave Stroud, Thanksgiving Point Institute, Lehi, Utah

Poster #42

A Paperless Science Center

In 2009–2010, Sci-Port received an IMLS grant to streamline its business processes to provide enhanced customer service, better marketing, and error-free scheduling through improved technology, database communication, and staff training. Learn how we harnessed tables in Ticketmaster Vista for resource allocation and scheduling, made TMVista and Raiser's Edge "talk," and changed our reservation processes to capture e-mail addresses for life-cycle marketing and evaluation.

Presenter: Mike Asher, Sci-Port: Louisiana's Science Center, Shreveport

Poster #46

Exhibit Prototyping Without Tears

The Tech Virtual platform allows exhibit designers to collaborate on highly detailed 3-D prototypes of exhibits inside a scaled, interactive and immersive environment. Using online tools an exhibit can be presented and experienced in much the same way it would when completed. Images depict the digital exhibit prototypes and illustrate how they were rated, revised, or otherwise changed based on collaborations.

Presenter: Bob Ketner, Virtual Community Manager, The Tech Museum, San Jose, California

ALLIANCES & PARTNERSHIPS

Poster #2

Science Alliances and Partnerships with Libraries

Discover Space, an interactive exhibition designed by the Space Science Institute and funded by NSF, visited two Colorado libraries in 2009 and will visit six more in 2010 in a pilot program focusing on areas not served by a science center. A national version of the program is planned.

Presenter: Paul Dusenbery, Space Science Institute, Boulder, Colorado

Poster #5

Moving Science Curricula Forward: A Collaborative Project

A small science center in Eastern Canada collaborated with the provincial Department of Education to create resources to complement existing sections of the science curriculum. Initial packages, focusing on Grades 6 to 8, were introduced via teacher professional development workshops in 2009.

Presenter: Michael Edwards, Science East, Fredericton, New Brunswick, Canada

Poster #8

Hands on an Aquarium

Aquariums afford a combination of interacting systems that can be analyzed using engineering and scientific principles. Rowan University's Civil and Environmental Engineering Program is leading an NSF-funded initiative to explore engineering concepts in K–12 classrooms through a joint endeavor with the Adventure Aquarium, the New Jersey Academy of Aquatic Sciences, and Cumberland County College.

Presenters: Kauser Jahan, Jess W. Everett, Stephanie Farrell, Gina Tang and Hong Zhang, Rowan University, Glassboro, New Jersey; Angela Wenger, New Jersey Academy for Aquatic Sciences, Camden; and M. Noori, Cumberland County College, Vineland, New Jersey

Poster #9

Earth Science 3-D

The Maryland Science Center conducted formative, remedial, and summative evaluation of a program designed to communicate earth sciences using an innovative media platform. The study focused on two approaches; development and implementation of two facilitated, live programs and creation of an interactive computer kiosk..

Presenter: Amy Wood and Manjit Goldbery, Maryland Science Center, Baltimore

POSTER SHOWCASE DIRECTORY

Poster #13

Bakersfield Adventures for the Mind (BAM)

Bakersfield Adventures for the Mind (BAM), a private/public partnership proposed for Kern County on the California State University–Bakersfield campus, will serve as a model for the other institutions in the CSU system. BAM invites young students to interact with professors, CSU students, and community professionals with the goal of increasing the number of students who select pathways leading to STEM careers.

Presenter: Jillian Fritch-Stump, BAM, Bakersfield, California

Poster #17

Adding 6th Grade to a Museum-School Science Initiative for Urban 7th and 8th Grades

Evaluation of a pilot program that provides extensive professional development for teachers and field trips for classes in 15 participating middle schools was designed to determine if the value of adding 6th grade merited the additional cost. The poster will display the purpose of evaluation and a summary of findings, using graphics, charts, tables, and text.

Presenter: Ellen Giusti, Ellen Giusti Consulting, New York, New York

Poster #19

Working with Science Centers to Promote Creativity in STEM Learning and Teaching

The Invent! Competition encourages young people to showcase new solutions to old problems or even stunningly out-of-this-world ideas at local science centers. This poster will detail evaluation of Invent! and successful partnerships between small U.K. companies and science centers.

Presenter: Sai Pathmanathan, Ignite!, Nottingham, U.K.

Poster #29

At the Heart of a Co-Design Adventure

In 2010, the National Museum of Science and Technology Leonardo da Vinci's Research Centre for Informal Education (CREI) awarded two preschool teachers a scholarship for co-developing with museum educators an outreach activity for young children. This poster describes the work they did, the lessons that emerged from collaborative design, the ways in which they were able to merge methodologies from two worlds.

Presenter: Camilla Rossi-Linnemann, National Museum of Science and Technology, Leonardo da Vinci, Milan, Italy

Poster #33

Training the Underserved: A Case Study

At a unique workshop on latest developments in NASA science and technology, held at Goddard Space Flight Center, educators from museum and science centers in the northeastern United States were each given an agenda customized to meet the scientific needs of their institution. Participants have developed ongoing partnerships with Goddard to breathe new life into existing exhibits and engage the public with new STEM experiences.

Presenters: Marcianna P. Delaney and Carmel A. Conaty, NASA Goddard Space Flight Center, Greenbelt, Maryland

Poster #34

Science Olympiad: Navigating Hawaii's Communities Through Community Partnerships

Since 2004, the Hawaii State Science Olympiad has been creating rigorous science experiences for Hawaiian students through partnerships with institutions, organizations, and businesses throughout the state. Their expertise supports the individual needs of students and teachers in more than 40 public, private, charter, and home middle/high schools in rural, urban and neighbor island communities.

Presenters: Franklin Allaire, Andrea Barnes, Aaron Bush, David Krupp, Roger Kwok, Michael Lane and Linda Sciaroni, Hawaii State Science Olympiad, Honolulu; Amber Inwood, Bishop Museum, Honolulu, Hawaii

Poster #40

Science Academy Program

The 11-year-old Science Academy Program, affiliated with the Office of Multicultural Affairs at Louisiana State University Health Sciences Center, is designed to help student participants improve their performance on high-stakes testing, while encouraging a lifelong love of science and math. Students are chosen in kindergarten and continue in the program until they are in 5th grade.

Presenter: Lou Papai, Sci-Port: Louisiana's Science Center, Shreveport

Poster #45

The Galileoscope Star Party Project: Experiments Using the Galileoscope to Engage the Public in Astronomy

The Galileoscope, a high-quality, inexpensive telescope developed by NOAO and its partners, was designed and tested to be used in large cities. This poster reports on work using Galileoscope in star parties at science and nature centers, in national parks, in observatory outreach sessions, at Boys and Girls Clubs, in afterschool programs with MESA, and in other urban star parties.

Presenters: Stephen M. Pompea and Robert L. Sparks, National Optical Astronomy Observatory, Tucson, Arizona

CONFERENCE SESSIONS/WORKSHOPS TOPICS INDEX

ACCESSIBILITY/DIVERSITY/EQUITY

Saturday, October 2

Accessible for All? Why Not.....42

Sunday, October 3

Are We There Yet? Reaching Gender Equity in Science.....54

Awakening the Cultural Roots of Science through
Hawaiian Astronomy and Navigation.....52

How to Develop, Motivate, and Re-energize a
Diverse Staff.....51

Living the Science: Bringing Traditional Ecological
Knowledge into the Mainstream.....50

Monday, October 4

Beyond Painting Science Pink: Programs that Engage
Girls in STEM, Part 2.....69

Involving the Community in Environmental Issues:
A Hands-On Garden Workshop.....70

Reaching the Stars: Astronomy for Underserved
Audiences.....62

Science for All: Building an International Network of
Advocates.....59

Tuesday, October 5

Navigating Native American Knowledge and
Western Science.....76

Weaving New Science Paradigms: Collaborations
with Native American/Hawaiian Partners.....73

CEO/DIRECTOR/TRUSTEE

Saturday, October 2

New Funding Sources: Building Institutional Alliances
with Research Centers.....44

Becoming a CEO: Lessons from the Noyce Leadership
Institute.....42

Sunday, October 3

CEO Reflections on Leadership54

Toward the Greater Good: How Science Center
Leaders Change Society.....49

Monday, October 4

Building an Outstanding Science Center Board.....67

Leading for Impact.....62

Science and Society: Illuminating what Matters.....60

Tuesday, October 5

NSF and Lifelong Learning.....75

DEVELOPMENT/FUND-RAISING

Saturday, October 2

Navigating IMLS: Opportunities and Resources.....45

Sunday, October 3

Charting Cross-Divisional Involvement in Development.....54

Stakeholders and the Successful Journey: Resource

Development That Works.....52

Monday, October 4

A Model Partnership: Multiplying Impact Through
Museum Collaboration.....61

Tuesday, October 5

From Casual Visitors to Invested Donors: Navigating
the Relationship.....76

Optimizing Corporate Partnerships for Your Benefit
and Theirs.....74

EDUCATION

Friday, October 1

Building on Research to Improve Practice: Applying
What We Know About Learning Science in Informal

Environments.....37

Program Development Boot Camp.....38

Saturday, October 2

Author and Audience: Harnessing the Power of
the Narrative.....45

Navigating Museum-Scientist Partnerships: Models,
Logistics, and Results of Effective Programs.....46

To Tweet or Not to Tweet; Museums and Social
Media.....42

Wow, I Didn't Expect That! Powerful Techniques for
Teaching Science.....43

Sunday, October 3

Creating a Spirit of Discovery Through the
REFLECTS Model.....56

Ho'okele a Akeakamai (Navigate to Science), Indie-Style.....56

Museum and Library Partnerships: Book Groups
and Programs for Science.....53

NASA Showcase: Ways to Bring Current NASA
Science into Your Institution.....53

Navigating Engagement: Doing Justice to Both
Science and the Public.....52

Tackling Climate Change and Sustainability: Youth
Programming for Societal Change.....49

Monday, October 4

Creating an After-School Connection.....68

Helping Visitors Navigate Data: Science on a Sphere
Showcase.....70

In and Around NASA and NOAA: Identifying Grants
and Resources.....64

Interactive Tools for Public Engagement in
Science Centers.....63

Making It Count: Uncovering the Math in
Science Exhibits.....71

Meet the Numerati! Five-Minute Math Conversations.....60

NASA Museum Alliance: Going Forward.....69

SMILE's Single-Serve Buffet: Taste the Many Fun
STEM Activities.....63

CONFERENCE SESSIONS/WORKSHOPS TOPICS INDEX

The Museum as Social Medium.....67

Tuesday, October 5

CSI (Culture & Science Integration) Hawaii:
 Wayfinders Skill Set.....75
 Effective Partnerships and Networks: Making Current
 Science Relevant.....76
 Elevating Practice with Video: Strategies for Educators
 and Exhibit Developers.....74
 Lessons Learned from Starting “Grow Up Great with
 Science” Partnerships.....75
 Math as a Vehicle for Inclusion.....76
 Who’s Navigating this Boat?.....76

EXHIBIT DEVELOPMENT

Saturday, October 2

Promoting Behavior Change: A New Role for Science
 Centers?.....44
 The Cutting Edge of Knowledge and Design: Relating
 Research to Practice.....46
 Using Science to Help Design Exhibits: Insights from
 Scientific Research.....42

Sunday, October 3

Learning by Trying: Rapid, Iterative Prototyping
 for Exhibits.....55
 Rethinking Who We Are: Continuity and Change in
 Institutional Transitions.....50

Monday, October 4

Choosing Materials for Exhibit and Program Interactions
 That Promote Learning.....61
 Humor Me: Humor, Audience, and the Development
 of Exhibitions.....60
 Journeying Together: Creating Exhibitions with
 Communities.....67
 Learning Together: Children, Adults, and
 Science Exhibits.....60
 Navigating the Stormy Seas of Exhibit Safety.....71
 Outside In, Inside Out: Varying Approaches to
 Museums and Environments.....74

Tuesday, October 5

Building Change into Your Exhibits.....73
 Sometimes a Great Notion.....74

FILMS/SIMULATORS

Sunday, October 3

400 Years of the Telescope: Collaboration, Partnership
 and Evaluation.....55

HUMAN RESOURCES

Saturday, October 2

Surviving Change: The Role of the Middle Manager.....45

Sunday, October 3

Making the Most of a Youth Development and
 Employment Program.....53

Monday, October 4

Breaking Down the Silos: Improving Communications
 Within Your Organization.....63
 Formalizing Informal Science Education.....68

MARKETING

Sunday, October 3

Girls RISE: Building Capacity to Engage Minority
 Girls in STEM.....56

Monday, October 4

Navigating Toward Diversity: Engaging the
 LGBT Community.....69
 Social Science: Integrating New Media into Your
 Communications.....64

MISSION/PHILOSOPHY

Saturday, October 2

Neuroscience and Ethics: A Need for Dialogue and
 Public Engagement.....42
 Public Engagement and Civic Discourse: Charting
 a Course for Science Centers.....46
 Science Clubs: A New Model to Expand Our Field.....43

Sunday, October 3

Making Sustainable Choices: How to Balance the
 Trade-offs.....49
 Presenting Essential Modern Science: Evolution,
 Climate Change, and Biotechnology.....54
 Transforming Natural History Museums: Our
 Relevance and Future.....55
 Why Is Our Field So Risk-Averse ... Or Is It Us?.....53

Monday, October 4

Are Science Centers Missing the Science? The Sequel!.....64
 Promoting and Modeling Sustainability: What Role
 Can We Play?.....61
 Thinking Big When You’re a Small Museum.....68

Tuesday, October 5

Reinvention Redux: Are the New Models Working?.....77

NEW/EXPANDING CENTERS

Tuesday, October 5

Armchair Tour of New Science Centers.....74

CONFERENCE SESSIONS/WORKSHOPS TOPICS INDEX

OUTREACH

Friday, October 1

- NEON (National Education Outreach Network).....37
- Showcasing Innovation in Climate Change
Programming: Spherical Display Systems and C3.....37

Saturday, October 2

- Citizen Science: Problems, Solutions, and Opportunities.....43
- Let's Refine a Roadmap for Community Partnerships.....45
- Out of Reach? Educating with Multimedia and
Web-based Technologies.....45

Sunday, October 3

- Building a Flexible Framework for Public-Engagement
Partnerships.....53
- Flexhibits, Community Events, and Facilitated
Involvement.....54
- The Challenge of Just-In-Time Science Learning
for Museums.....50

Monday, October 4

- Engaging the Public Without Losing the Message.....68
- Outreach LIVE: Goin' Global!.....59

Tuesday, October 5

- Creating New Horizons Through Leadership Programs
for Volunteers Aged 50+.....77
- Goggles On, Pipettes Ready: Preschool Scientists Get Busy.....75

PLANETARIUMS

Saturday, October 2

- Extreme Makeover: Planetarium Edition.....44

Sunday, October 3

- Awakening the Cultural Roots of Science Through
Hawaiian Astronomy and Navigation.....52

Monday, October 4

- ASTC's Next Top Model: Alternative Approaches to
Designing and Building Exhibits.....64
- Reaching for the Stars: Astronomy for Underserved
Audiences.....62
- Visualization Exploration at 'Imiloa Planetarium.....68

PUBLIC RELATIONS

Sunday, October 3

- The Sexy Side of Science: Just PR Doing Its Job!.....53

RESEARCH EVALUATION

Sunday, October 3

- From Object to Evidence: Rethinking What's Real in
Science Museums.....50

Monday, October 4

- CAISE Forum: Growing a Sustainable (and Cross-Sector)
Ecology for Lifelong Informal Science Learning.....62

- Web 2.0's Impact on Museum Learning and Practice.....61

Tuesday, October 5

- Advancing the Science Behind Science Programs: A
Program-Evaluation Think Tank.....77

TEACHER EDUCATION

Saturday, October 2

- From Teacher to Facilitator: Successful Youth
Development Strategies.....46

Sunday, October 3

- When Evolution Turns Revolutionary: Science
Centers Join the Race to the Top.....50

Tuesday, October 5

- Promoting Sustainability in Schools Through Teacher
Professional Development.....77

THEATER/DEMONSTRATIONS

Saturday, October 2

- Virtual Campfire: Using Multimedia to Enhance
Storytelling and Live Performance.....43

Tuesday, October 5

- Scripting a Great Museum Presentation.....73

VISITOR CUSTOMER SERVICE

Saturday, October 2

- Taking the Mystery Out of Mystery Shopping.....44

VOLUNTEERS

Saturday, October 2

- Navigating Our Future Through Volunteering:
Best Practices in Utilizing Volunteers.....44

Tuesday, October 5

- From Docent to Facilitator: Creating a Visitor-Oriented
Experience in Volunteer-Led Programming.....77

YOUTH PROGRAMS

Friday, October 1

- Network for Leaders of Interpreters, Facilitators, and
Explainers (NetLIFE).....38
- Youth Program Network Workshop, Part 1.....38

Sunday, October 3

- Expanding Roles for Youth: Explainers and Beyond.....55
- Secrets of NHM: Engaging Underrepresented Youth
in STEM Research.....51

Monday, October 4

- Break the Mold! Different Models for Camps
Youth Program Network Workshop, Part 2.....62

INDEX OF PRESENTERS

**F=Friday SA=Saturday PS=Poster Session
SU=Sunday M=Monday T=Tuesday**

A

Abraham-Silver, Linda
Great Lakes Science Center.....SU22, SU24, M14

Abruzzo, James
DHR International.....SU1

Adamson, Betsy
Explora.....SU27

Ahgeak, Katherine
Inupiat Heritage Center.....SU7

Ahn, Tae-Boem
National Science Museum of Korea.....PS26

Allaire, Franklin
Hawaii State Science Olympiad.....PS34

Allard, Kandel
Long Island Children's Museum.....SU10

Allen, Laura
American Museum of Natural History.....M34

Allen, Sue
National Science Foundation.....F3, SU5, TU12

Allen, Tiffany
The Academy of Natural Sciences.....TU11

Alonzo, Jamie
Yale Peabody Museum of Natural
History.....F5, SU11, SU19, SU30

Alpert, Carol Lynn
Museum of Science, Boston.....SA11, SA22, M28,

Anderson, Andy
Michigan State University.....SA21

Anderson, Cindy
Science Center of Iowa.....SA9

Andrade, Joseph
The Leonardo.....SU26

Andrews, Chris
California Academy of Sciences.....SU3

Andrews, Grace
New York Hall of Science.....SA2, SU31

Anter, Mary
The Leonardo.....SU26

Araujo, Deirdre
Exploratorium.....TU18

Ash, Doris
University of California–Santa Cruz.....SU33

Asher, Mike
Sci-Port: Louisiana's Science Center.....PS42

B

Bailey, Elsa
Elsa Bailey Consulting.....SU15

Balli, Enrico
Sissa Medialab.....SA2

Ballón, Monica
Santa Barbara Museum of Natural HistoryF5, SU11, SU30

Barcarse, Kaimana
'Aha Punana Leo, Honuakai.....TU10

Barnes, Andrea
Hawaii State Science Olympiad.....PS34

Barnes, Heather
Museum of Science and Industry, Chicago F2

Barnett, Adrienne
Exploratorium.....M33

Barriault, Chantal
Science North.....M30

Bartley, Bradford
The Franklin Institute.....SA1

Bassler, Michele
Academy of National Sciences.....M35

Basta, Bridget
Museum of Science and Industry, ChicagoF4

Baybayan, Kalepa
Imiloa Astronomy Center of
Hawai'i.....SA20, SU12, TU10,
TU13, M29

Baybayan, Pa'anaakala
Hui O Wa'a Kaulua.....TU10

Beaumont, Lorrie
Evergreene Research and Evaluation.....M3

Begay, David
Indigenous Education Institute.....TU1

Belew, Greg
Hands On! Inc.....M38

Bell, Larry
Museum of Science, Boston.....SA11, SA19, SU5, TU16

Bergstrom, Kirk
The Presidio.....M15

Berry, Brian
Oregon Museum of Science and Industry.....M12

Bertschi, Karyn
Oregon Museum of Science and Industry.....M6, M37

Betthausen, Jon
Columbia Memorial Space Center.....TU8

Bevan, Bronwyn
Exploratorium.....SA21

Billie, Terry
New York Hall of Science.....M17

Bivings, Lindzy
California Academy of Sciences.....SA22

Bonney, Rick
Cornell Laboratory of Ornithology.....F2, SA7, M15

Bortoli, Natalie
Chicago Children's Museum.....M10

Borun, Minda
The Franklin Institute.....M35

Bowen, Julie
TELUS World of Science–Calgary.....SA4, SU6, SU18

Boxer, Jennifer
Saint Louis Science Center.....SA14, TU16

INDEX OF PRESENTERS

F=Friday SA=Saturday PS=Poster Session

SU=Sunday M=Monday T=Tuesday

Boyette, Todd
 UNC Morehead Planetarium & Science Center.....SA9, M30
 Braafladt, Keith
 Science Museum of Minnesota.....M18
 Brandow, Kawehi
 Bishop Museum.....SA13
 Britsch, Brenda
 National Girls Collaborative Project.....M18
 Britten, Angela
 Bishop Museum.....TU6
 Burg, Scott
 Rockman et al.....PS12, M28
 Burnett, LaJean
 Mid-America Science Museum.....SU10, SU30
 Burns, David
 Ohio STEM Learning Network.....SU8
 Bush, Aaron
 Hawaii State Science Olympiad.....PS34

C

Cahill, Clara
 University of Michigan.....PS44
 Cairnes, Linda
 The Philadelphia Zoo.....M35
 Callanan, Maureen
 University of California–Santa Cruz.....SU4
 Carlson, Diane
 Pacific Science Center.....SU25
 Carlson, Lath
 Art Guild Inc./University of the Arts.....SA4, SU27
 Carmena, Helen
 California Academy of Sciences.....M9
 Carrasco, Neiri
 Yakima Valley Tri-Cities MESA.....SA18
 Chang, Chinfang
 University of London.....SU15
 Chesebrough, David
 COSI Columbus.....SA11
 Chessler, Abbie
 Quatrefoil & Associates.....M9
 Chio, Amanda
 COSI Columbus.....F6
 Chun, Terrilyn
 Multnomah County Library.....SU16
 Ciotti, Joseph
 Windward Community College.....SU12
 Coats, Victoria
 Oregon Museum of Science and Industry.....TU13
 Cohen, Jonah
 The Children’s Museum..... F1, M1, SA5, SU32
 Collis, Blair
 Bishop Museum.....SU29
 Colon, Linda
 Educational Equity Center@AED.....SU23, M26, M6, TU15

Conner, Laura
 University of Alaska Museum of the North.....M13
 Connolly, Kitty
 Huntington Library, Art Collections, and
 Botanical Gardens.....M16
 Connolly, Rachel
 Gheens Science Hall and Rauch Planetarium.....M31
 Contreras, Racquel
 MOSI.....SU33
 Conaty, Carmel
 NASA.....PS33
 Correa, Jennifer
 New York Hall of Science.....F6, SU10, SU19, SU30, TU4
 Crowley, Kevin
 University of Pittsburgh.....SU4, M11
 Cunningham, Mary Kay
 Dialogue ConsultingTU4
 Curio, Alex
 University of Washington.....M7
 Curtis, Lisa
 Space Science Institute.....SA8
 Cytacki, Joe
 Museum of Discovery and Science.....SA7, SU16

D

Dancu, Toni
 Exploratorium.....PS18
 Dawson, Emily
 King’s College London.....SU15
 de Strulle, Arlene
 National Science Foundation.....TU12
 Dean, Sam
 Exploratorium.....SA14
 Deedrick, Rita
 COSI Columbus.....SA10, SA22
 Defelice, David
 NASA Glenn.....M21
 DeFrancis, Greg
 Montshire Museum of Science.....SA8
 Delaney, Marcianna
 NASA Goddard Space Flight Center.....PS33
 DeRoma, Debbie
 Reuben H. Fleet Science Center.....SA7, SU2
 Dhingra, Koshi
 University of Texas.....M25
 Dickow, Ben
 Lexington..... F4, SA6
 Dierking, Lynn
 Oregon State University.....SU23
 Dillenburg, Eugene
 Michigan State University.....M5
 Dinges, Victoria
 Allstate Insurance Company.....M10
 Donovan, Mark
 Museum of New Zealand Te Papa Tongarewa.....M1

INDEX OF PRESENTERS

Drum, Patti
Lexington.....M20
Duggan, Alexis
Arizona Science Center.....SU21
Duran, Sean
Miami Science Museum.....M5
Dusenbery, Paul
Space Science Institute.....PS2
Dworken, Ben
Educational Equity Center@AED.....M6, M26

E

Edwards, Michael
Science East.....PS5
Ellenbogen, Kirsten
Science Museum of Minnesota.....M7
Ellison, Bryan
Funnel Design Group.....SA14
Elwell, Laddie
Headwaters Science Center.....M27
Erickson, Lori
Oregon Museum of Science and Industry M25, TU13
Esparza, Blanca
KTVK-3TV.....SU21
Evans, Brad
Bishop Museum.....M38
Evans, E. Margaret
University of Michigan.....PS27, SU4, SU22
Everett, Eileen
New Mexico Museum of Natural History and Science.....SA7

F

Falcone, Ernie
Quatrefoil & Associates.....SU27
Falk, John
Oregon State University.....M11, TU19
Farah, Martha
University of Pennsylvania.....SA24
Farrell, Stephanie
Rowan University.....PS8
Fastabend, Randall
Oregon Museum of Science and Industry.....F1
Feldman, Richard
EHDD Architecture.....M9, M16
Ferguson, Lewis
Clay Center for the Arts and Sciences.....SU32
Fernandez, Adiel
New York Hall of Science.....SA5
Fidler, Penny
The Association for Science and
Discovery CentresSA12, SA24
Figueiredo, Claudia
Institute for Learning Innovation.....PS30
Fink, Laurie
Science Museum of Minnesota.....M25

Firer, Marcelo
Museu Exploratorio de Ciencias.....SA7
Fooshee, Julie
MOSI.....SU33
Foutz, Susan
Institute for Learning Innovation.....PS4, M28
Fox, Joel
Great Lakes Science Center.....TU17
Fox, Troy
Arizona Science Center.....SU25
Frank, Ilene
Schenectady Museum & Suits-Bueche
Planetarium.....M27
Fraser, John
Institute for Learning Innovation.....M33
Frazier, Cheronda
New Jersey Academy for Aquatic Sciences.....SA20, SU10, M36
Freeman, Jason
Learn Science Everywhere.....SA6, M26
Frey, Armin
Odysseum.....TU8
Fritch-Stump, Jillian
Bakerfields Adventures for the Mind.....PS13
Fukunaga, Stan
Chabot Space & Science Center.....TU21
Fuller, Catherine
Iolani Elementary School.....SA20, TU10
Fumarolo, Ann
Sci-Port: Louisiana's Science Center.....SA3, SU31, TU6

G

Gabrielson, Curt
Environmental Science Workshop.....SA6
Gardella, Joyce
Exploratorium.....TU3
Garibay, Cecilia
Garibay Group.....SU5, TU4
Genovesi, Jacqueline
Academy of Natural SciencesSA15, SU30, TU11
Geschwind, Leon
Bishop Museum.....F2, SA7, SU2, M34, TU16
Gibbons, Alison
Think Tank.....M1
Gibbons, Heather
Saint Louis Science Center.....SA18, M6, M26
Gibbs, Damon
Connecticut Science Center.....SU10, SU30, M36
Gieseke, Todd
Museum of Science and Industry, Chicago.....SA22
Giusti, Ellen
Ellen Giusti Consulting.....PS17, M35
Godoy, Eric
California Academy of Sciences.....F5, SU11, SU30, M33
Goldberg, Manjit
Maryland Science Center.....PS9

INDEX OF PRESENTERS

F=Friday SA=Saturday PS=Poster Session

SU=Sunday M=Monday T=Tuesday

Goldman, Kate Haley
 Institute for Learning Innovation.....F2
 Goldstein, Eddie
 Denver Museum of Nature & Science Live Demo Hour
 Goldstein, Erich
 Lancaster Science Factory.....SA5, SU32
 Goldstein, Neil
 Arizona Science Center.....TU17
 Greely, Hank
 Stanford University.....SA24
 Gregoroff, Terri
 COSI Columbus.....SU19
 Grinell, Sheila
 Grinell, LLC.....SA3
 Groth, Rasmus
 AHEAD.....SU26
 Gustafson-Hilton, Kathy
 Hands On! Inc.....SU18, TU3
 Gutwill, Josh
 Exploratorium.....PS18

H

Haas, Joanna
 Louisville Science Center.....SU18, SU24
 Halderman, Lauri
 American Museum of Natural History.....SA21
 Halevi, Maya
 Bloomfield Science Museum Jerusalem.....SA12, SU24
 Hamilton, Devon
 TELUS World of Science–Calgary.....SU18, M19, TU5
 Hamilton, Patrick
 Science Museum of Minnesota.....SA19, M9
 Hansch, Wolfgang
 Experimenta.....TU8
 Harris, Sunset
 The After-School Corporation (TASC).....M6, M26
 Harrison, Susan
 Adler Planetarium.....M20
 Haunfelner, Kurt
 Museum of Science and Industry, Chicago.....M20
 Havel, Eric
 Chabot Space & Science Center.....SU15, TU21
 Hawkins, Isabel
 Exploratorium.....SU12, TU13
 Hayes, Karen
 Denver Museum of Nature & Science.....F4
 Heckathorne, Stephanie
 Sheraton Wild Horse Pass Resort & Spa.....SU21
 Heim, Jennifer
 Saint Louis Science Center.....PS7
 Heimlich, Joe
 COSI Columbus.....SA10, TU22

Henderson, Maurice
 NASA Goddard Space Flight Center.....M34
 Henderson, Tara
 Explora.....TU9
 Herman, Erik
 Physics Factory.....SA6
 Herrenkohl, Leslie
 University of Washington.....SA21
 Herring, David
 NOAA.....F2, SU20, M15
 Higdon, Robyn
 Exploratorium.....M31
 Higginbotham, Gerlinde
 COSI Columbus.....TU22
 Hiroyuki, Arita
 National Museum of Nature and Science.....PS24
 Hoette, Vivian
 Yerkes Observatory.....M13
 Holman, Karen
 Bishop Museum.....M9
 Holt, Kathy
 LIGO Livingston Observatory.....SA22
 Howarth, Chuck
 Gyroscope.....SA4
 Hoyt, Marilyn
 Foundation Center.....SU14
 Hsi, Sherry
 Lawrence Hall of Science.....M18
 Huerta Migus, Laura
 ASTCSU31, M2, TU1
 Hughes, Holly
 Sam Noble Museum.....PS28
 Humphrey, Chevy
 Arizona Science Center.....M20
 Hurst, Anna
 Astronomical Society of the Pacific.....M13
 Huschle, Sarah
 Pacific Science Center.....SU2, SU19, SU30, TU22

I

Inwood, Amber
 Bishop Museum.....PS34, SA17, M1
 Israel, Elisa
 Saint Louis Science Center.....SA22

J

Jacquemyn, Erik
 Technopolis, the Flemish Science Center.....SA15, TU8
 Jahan, Kauser
 Rowan University.....PS8
 James, Matt
 Hawaii Theatre.....SA13
 James, Sylvia
 National Science Foundation.....TU12

INDEX OF PRESENTERS

Jennings, Paul
 Science Center of Iowa.....SA3
 Jensen, Kari
 Oregon Museum of Science and
 Industry.....SA19, SU3, SU16, M24
 Johnson, Marilyn
 Oregon Museum of Science and
 Industry.....SA19, SU16, SU31, M24
 Johnston, Nicola
 Arizona Science Center.....TU18
 Jones, Johanna
 Randi Korn & Associates.....SU29
 Jose-Andrews, Grace
 New York Hall of Science.....M26
 Juarez, Cheryl Lani
 Miami Science Museum.....SU31, TU9

K

Kanics, Ingrid M.
 Kanics Inclusive Design Services, LLC.....SA1
 Katzman, William
 LIGO Science Education Center.....M19
 Keil, Jessica
 The Franklin Institute.....SU30, M36
 Keller, Tom
 National Academy of Sciences.....F3
 Kellett, Kyrie
 Oregon Museum of Science and Industry.....M32
 Kelly, Barbara
 New Jersey Academy for Aquatic Sciences.....SA18, M35
 Kemble, Dave
 Bishop Museum.....M38
 Kendrick, Tifani
 COSI Columbus.....F5, SU30, TU22
 Kerkman, Mike
 Huntington Library, Art Collections, and
 Botanical Gardens.....SU10, M33, TU20
 Ketchen, Bob
 The Tech Museum.....PS46
 Kiehl, Kim
 COSI Columbus.....SU8, SU31, TU19
 Kiessner, Erika
 The Franklin Institute.....SA4, SU18, SU27
 Kimber, Lara
 Sciencenter.....SU3, SU14, TU6
 Kimura, Ka'iu
 'Imiloa Astronomy Center of Hawai'i.....SU10
 King, Dick
 The Tech Museum.....SU14
 King, Margaret
 The Center for Cultural Studies & Analysis.....M24
 Klotz, Sharon
 Brooklyn Children's Museum.....SU6
 Knutson, Karen
 UPCLOSE.....SU4

Koenig, Kris
 Interstellar Studios.....SU28
 Kopczak, Chuck
 California Science Center.....M16
 Korn, Randi
 Randi Korn & Associates.....M4
 Kosinski, Jim
 Chabot Space & Science Center.....TU2
 Koster, Emlyn
 Liberty Science Center.....SU1, M4
 Kowrach, Nicole
 Museum of Science and Industry, Chicago.....M10
 Krafft, Kathleen
 Sciencenter.....M38
 Krinock, Mary
 Museum of Science and Industry, Chicago.....M10
 Krupp, David
 Hawaii State Science Olympiad.....PS34
 Kuhn, Alex
 University of Michigan.....PS44
 Kwok, Roger
 Hawaii State Science Olympiad.....PS34

L

Laatsch, Shawn
 'Imiloa Astronomy Center of Hawai'i.....SU12, SU28, M29
 Labriole, Michaela
 New York Hall of Science.....SA7, SU15
 Lach, Elizabeth
 Chicago Children's Museum.....M10
 LaFollette, Jamie
 Emerald Coast Science Center.....M18
 Lane, Jonathan
 University of Michigan.....PS27, PS34
 Lang, Tara
 Children's Museum of Houston.....M18
 Langlieb, Holli
 Sam Noble Museum.....PS28
 Lani, Shawn
 Exploratorium.....M16
 Lauver, Lori
 Whitaker Center for Science and the Arts.....TU11
 Laverty, Michele
 National Ag Science Center.....M27
 Lee, Bong Ryeol
 National Science Museum of Korea.....PS25
 Lee, Kang Hwan
 Gwacheon National Science Museum.....PS23
 Lee, Steve
 Denver Museum of Nature & Science.....M31
 Legro, Patrice
 Marian Koshland Science Museum.....SU20, M4
 Leigh, Kristin
 Explora.....SA5, SU31, TU15
 Leshner, Alan
 AAAS.....SA23

INDEX OF PRESENTERS

**F=Friday SA=Saturday PS=Poster Session
SU=Sunday M=Monday T=Tuesday**

Levedahl, Katie
 Sciencenter.....SA7, SU2, SU32, TU16
 LeVitt, Richard
 ScienceWorks Hands-On Museum.....TU18
 Lewis, Lesley
 Ontario Science Centre.....SU1
 Liljeholm, Anders
 Oregon Museum of Science and Industry.....SU16, M6
 Lohwater, Tiffany
 AAAS.....SA24
 Luce, Megan
 University of California.....SU4

M

Magharious, Gina
 David Heil & Associates.....PS36
 Maki, Joe
 Del Padre Digital.....SA17
 Mancuso, Frank
 Carnegie Science Center.....SU28
 Manning, Jim
 Astronomical Society of the Pacific.....SU28
 Marcotte, Sarah
 NASA/Jet Propulsion Laboratory.....M31
 Martin, Jenni
 Children's Discovery Museum of San Jose.....SU4
 Martin, Jennifer
 TELUS World of Science–Calgary.....SA3, M4, TU3
 Martin, Paul
 Science Museum of Minnesota.....M5, TU5, TU16
 Maryboy, Nancy
 Indigenous Education Institute.....TU1, TU13
 Masters, Herb
 Exploratorium.....TU18
 Matthews, Tonya
 Cincinnati Museum Center.....TU11
 Mayer, Monika
 Lawrence Hall of Science.....TU9
 McBride, Matt
 NOAA.....F2, M34
 McCallie, Ellen
 Carnegie Museum of Natural History.....SU29
 McCallum, Cheryl
 The Children's Museum of Houston.....TU9
 McConville, David
 The Elumenati.....M30
 McCracken, Kasey
 David Heil & Associates.....PS36
 McDougall, Carrie
 NOAA.....M21
 McGlaufflin, Kathy
 Project Learning Tree.....TU21
 McLain, Brad
 Space Science Institute.....SA8, TU2

McLaughlin, Hooley
 Ontario Science Centre.....TU19
 McLaughlin, John
 NOAA.....F2
 Melchior, Nikki
 Pacific Science Center.....SA18
 Meneghello, Cristina
 Exploratorium.....SA17, M1
 Menlove, Becky
 Utah Museum of Natural History.....SU29
 Meyer, Eric
 Explora.....
 M8
 Michelson, Molly
 California Academy of Sciences.....M28
 Miller, Diane
 Saint Louis Science Center.....TU15
 Miller, Jon D.
 Michigan State University.....SU5
 Millward, Lorie
 Utah Museum of Natural History.....SA22
 Min Jung, Kim
 National Science Museum of Korea.....PS20
 Mir, Ronen
 MadaTech–Israel National Museum
 of Science.....TU5
 Mokros, Jan
 Maine Mathematics and Science Alliance.....M37
 Monahan, Peggy
 Exploratorium.....SA21, M19, TU5
 Moore, Clayton
 Science Museum Oklahoma.....SA14
 Moran, George
 Explora.....
 M8
 Morris, Tish
 New Mexico Museum of
 Natural History and Science.....SA7
 Morrissey, Kris
 University of Washington.....M7
 Mosena, David
 Museum of Science and Industry, Chicago.....SU24
 Mott, Bill
 The Ocean Project.....SA12
 Motto, Andrea
 Virginia Polytechnic and State University.....F6, PS21
 Moyers, Stacey
 The Franklin Institute.....M22
 Murphy, Beth
 The Bakken Museum.....PS43
 Murphy, Ka'iulani
 Polynesian Voyaging Society.....TU10
 Murray, Carol
 Fort Worth Museum of Science and History.....M22
 Myllykoski, Mikko
 Heureka, The Finnish Science Centre.....SA21, M24, TU5

INDEX OF PRESENTERS

N

Nagayama, Shunsuke National Museum of Nature and Science (JAPAN).....	PS24
Nichols, Michelle Adler Planetarium.....	M31
Noori, M Cumberland County College.....	PS8
Normandy, Nora NASA Headquarters.....	SU17

O

O'Boyle, J The Center for Cultural Studies & Analysis.....	M24
Ogawa, Yoshikazu National Museum of Nature and Science.....	PS24
O'Leary, Jim Maryland Science Center.....	PS44
Osborne, Jonathan Stanford University.....	SA21
Osheroff, Hilleary American Museum of Natural History.....	F5, SU11
Ostfeld, Keith Children's Museum of Houston.....	SA5, SU32, M37
Ostman, Rae Sciencenter.....	SA5, SA19, M27, TU16
Owens, Andy Consultant.....	SU33

P

Pagsinohin, May Philippine Science Museum.....	SU1
Palmquist, Sasha Institute for Learning Innovation.....	PS27
Papai, Lou Sci-Port: Louisiana's Science Center.....	PS40, TU14
Papakonstantinou, Vassilis Eugenides Foundation.....	SA2
Parsons, Dan Battleship Missouri Memorial.....	M12
Partnow, Patricia ECHO Partnership.....	SU7
Pathmanathan, Sai Ignite!.....	PS19
Pattison, Scott Oregon Museum of Science and Industry.....	PS1, TU4
Pearson, Dave Science North.....	M30
Pelaez, Anthony MOSI.....	SU16
Pellegrini, Giuseppe Observe Science in Society.....	SA12, SU2

Perez Herrero, Teresa Josefina Universidad Nacional Autónoma de México.....	PS15
Perkins, Bob Polynesian Voyaging Society/ Hawaii Community College.....	SA13
Perry, Deborah Selinda Research Associates.....	M7
Petersen, Greta University of Wisconsin.....	SA22
Peterson, Karen EdLab Group.....	M32
Peterson, Karen Puget Sound Center for Teaching, Learning.....	SU23
Peticolas, Laura University of California–Berkeley.....	TU1
Petticrew, Ethan Alaska Native Heritage Center.....	SU7
Phipps, Molly Science Museum of Minnesota.....	SU22
Pihl, Erik Pacific Science Center.....	SU25, M17
Pitts, Derrick The Franklin Institute.....	M31
Pizzey, Stephen Science Projects.....	SU26
Pompe, Alex University of Michigan.....	PS44
Pompea, Stephen National Optical Astronomy Observatory.....	PS45
Porcello, Darrell Lawrence Hall of Science.....	M18
Porter, Tim Boston Children's Museum.....	M3, TU9
Prinzing, Stacey Maryland Science Center.....	TU11
Priscella, Kristin Arizona Science Center.....	SA2, TU14
Pritchard, Jennifer Da Vinci Science Center.....	SA2

Q

Quiniones, Marcus Bishop Museum.....	SU12
Quintana, Chris University of Michigan.....	PS44

R

Ramberg, Jenny-Sayre Monterey Bay Aquarium.....	TU5
Ramsay, Kirk Glasgow Science Centre.....	M14
Randol, Scott Lawrence Hall of Science.....	PS37

INDEX OF PRESENTERS

**F=Friday SA=Saturday PS=Poster Session
SU=Sunday M=Monday T=Tuesday**

Ratcliffe, Stephanie
The WILD Center, Natural History Museum of
the Adirondacks.....TU14

Raymond, Marcy
Metro High School.....SU8

Regalla, Lisa
TwinCities Public Television.....M32

Reich, Christine
Museum of Science, Boston.....SA1, TU4

Reich, Christopher
Institute of Museum and Library Services.....SA16

Reiser, Brian
Northwestern University.....SA21

Reisman, Molly
Rockman et al.....M28

Richardson, Anne
Exploratorium.....F6

Ritchie, Tim
McWane Science Center.....M14

Rivera, Javier
Santa Barbara Museum of Natural History.....M13

Robertson, Gale
National Museum of Natural History,
Smithsonian Institution.....SA 10, TU20

Rock, Bud
ASTC.....SU1

Rockwell, Thomas
Exploratorium.....SU6, SU16

Rodenhurst, Rona
Bishop Museum.....SA8, SA13

Rogers, Daniel
Bishop Museum.....M37

Roman, Christine
Saint Louis Science Center.....SA11, SA22

Rooney, Allen
Questacon.....SA17, M1

Rosenberg, Joel
Lawrence Hall of Science.....SA12

Rossi, Matti
Heureka, The Finnish Science Centre.....PS6

Rossi-Linnemann, Camilla
National Museum of Science and
Technology Leonardo da Vinci.....PS29

Rubin, Andee
TERCM37

Rubin, Ellen
Access Options.....TU15

Ruffin, Monya
National Science Foundation.....TU12

Russell, Ian
Interactive Science Ltd.....SU26

Russell, Lauren
Pacific Science Center.....TU16

S

Sanford, Camellia
Space Science Institute.....PS3

Sauer, Lauren
Rochester Museum & Science Center.....M12

Sava, Jussi
Heureka, The Finnish Science Centre.....SA4

Schatz, Dennis
Pacific Science Center.....F3, SA22

Schenker, Phoebe
EHDD Architecture.....M9

Schloss, Dana
Telus World of Science–Calgary.....SU27, M19

Schmoll, Shannon
University of Michigan.....PS44

Schnell, Eugene
Noyce Leadership Institute.....SA3, M14

Schroeder, Ken
Edgerton Explorit Center.....M27

Schubert, Linda
Papahānaumokuākea Marine National
Monument /NOAA.....M5

Sciaroni, Linda
Hawaii State Science Olympiad.....PS34

Selvakumar, Meena
Pacific Science Center.....SA19

Seymour, Kevin
COSI Columbus.....F1, M9, M33

Shanahan, Mike
Bishop Museum.....SU7, TU2

Sharpe, Cynthia
Thinkwell.....SA4

Shea, Eileen
NOAA.....SU20

Shibata, Hi'ilani
Bishop Museum.....SU30, M36

Shirk, Jennifer
Cornell Lab of Ornithology.....F2

Siasoco, Brett-Justin
Sciencenter.....SU10

Sigman, Jenna
New England Aquarium.....SA15, SU30

Silverman, Fern
Temple University.....SA1

Simmons, Curt
Science Center of Iowa.....SA9

Sittenfeld, David
Museum of Science, Boston.....SA19, TU16

Sladek, Mary Frances
NASA Headquarters.....M21

Smith, Frieda
Saint Louis Science Center.....M12, M33

Smith, Grahme
California Academy of Sciences.....TU21

INDEX OF PRESENTERS

Smith, Mike
North Museum of Natural History and
Science.....TU2

Snyder, Steve
The Franklin Institute.....SA24

Sobey, Woody
Discovery Center of Idaho.....M8

Sohus, Anita
NASA/JPL.....M21, M31

Soontornvat, Christina
Austin Children's Museum.....M32

Sparks, Robert L.
National Optical Astronomy Observatory.....PS45

Sprague, Samatha
MOSI.....SU33

Stancil, Jennifer
Carnegie Science Center.....M32

Stanislowski, Mark
Southern Oregon Public Television.....SU28

Stanitski, Diane
NOAA.....M15

Staveloz, Walter
ASTC.....SA12, SA24

Stein, Jill
Institute for Learning Innovation.....TU1

Stevison, Kathleen
Saint Louis Science Center.....SA7

Stevison, Kerry
Saint Louis Science Center.....SU2

Stimmer, Maryann
Educational Equity Center@AED.....SU23, M6, M26, TU15

Stonebraker, Jan
Arizona Science Center.....TU18

Storksdieck, Martin
National Academy of Sciences/National
Research Council.....PS27, SU5, M28

Strick, Jessica
Exploratorium.....M8

Stroud, Dave
Thanksgiving Point Institute.....PS31

Sumners, Carolyn
Houston Museum of Natural Science.....SA9

Sye, Virginia
New Jersey Academy for Aquatic Sciences.....SA15

T

Tang, Gina
Rowan University.....PS8

Tashima, Nancy
Astronaut Ellison S. Onizuka Science Center.....M31

Taylor, Paul
The Franklin Institute.....F1, SA5, SU32, TU2

Tenney, Sarah
Battleship Missouri Memorial.....M12

Thomas, Amanda
Oregon Museum of Science and Industry.....SA18, SU16

Thorne, Mark
National Children's Museum.....SU10

Tinianow, Sharon
COSI Columbus.....PS16, M9

Tinworth, Kathleen
Denver Museum of Nature & Science.....PS30

Topinka, Lorie
California Academy of Sciences.....TU21

Tran, Lynn
Lawrence Hall of Science.....TU4

Trautman, Charlie
Sciencenter.....PS10, SU18, M9, M30, TU3

Trigg, Chris
Miami Science Museum.....SU3

V

Valdez, Shelly
Native Pathways.....TU1

Valenta, Carol
Saint Louis Science Center.....SA15, M25

Van Dyke, Peter
Bishop Museum.....M35

Volak, Vlastimil
Techmania.....TU8

W

Walker, Gretchen
Lawrence Hall of Science.....F2, PS37, M34

Wallace, Chris
David Heil & Associates.....SA22

Walter, Charlie
Fort Worth Museum of Science and History.....M24, SU6, TU8

Walther, Jim
National Museum
of Nuclear Science & History.....TU8

Wasserman, Deborah
COSI Columbus.....TU22

Watson, Bill
National Museum of Natural History,
Smithsonian Institution.....SA22

Webster, Kenny
Thinktank.....F6, SU19

Wei, Ming-Ying
Science Mission Directorate.....M21

Weiss, Martin
New York Hall of Science.....PS27, SU4, SU22

Wells, Antoinette
NASA Goddard Space Flight Center.....M21

Wempa, Dan
New York Hall of Science.....SU14

Wenger, Angela
New Jersey Academy for Aquatic
Sciences.....F5, PS8, SA15, M35

Werner-Avidon, Maia
Lawrence Hall of Science.....PS37

INDEX OF PRESENTERS

**F=Friday SA=Saturday PS=Poster Session
SU=Sunday M=Monday T=Tuesday**

West, Robert
 Informal Learning Experiences.....SU22
 Whitney, Glen
 Museum of Mathematics.....M6
 Wigdahl, Blake
 Thanksgiving Point Institute.....PS31
 Wigglesworth, Marisa
 The Franklin Institute.....M23
 Willcox, Jessica
 White Pine Design.....SU3, M9
 Williams, Georgette
 New York Hall of
 Science.....PS35, SU10, SU32, M32, M6, TU15
 Williams, Michele
 SECME, Inc.....SU31
 Williams-Manning, Nikole
 EdVenture Children’s Museum.....SU10
 Wilson, Beth
 National Air and Space Museum,
 Smithsonian Institution.....SA14
 Winslett Wagoner, Julie
 Arizona Science Center.....SU25, TU6
 Winslow, Lois
 Children’s Museum of Pittsburgh.....M17
 Wint, Dennis
 The Franklin Institute.....M23
 Wise, Karen
 Natural History Museum of
 Los Angeles County.....SU29
 Wise, Skoshi
 ScienceWorks Hands-On Museum.....TU18
 Wittrock, Don
 New Jersey Academy for Aquatic
 Sciences.....M2, SA20, SU10, SU30
 Wood, Amy
 Maryland Science Center.....PS9
 Woodis, Pamela
 National Museum of the American Indian,
 Smithsonian Institution.....TU1, TU13

Y

Yalowitz, Steven
 Institute for Learning Innovation.....PS4, PS30, SU28
 Young, Denise
 UNC Morehead Planetarium
 and Science Center.....SA9, M30
 Yu, Man Sun
 Gwacheon National Science Museum.....PS23

Z

Zhang, Hong
 Rowan University.....PS8
 Zubrowski, Bernie
 Education Development Corporation.....M8

INDEX OF EXHIBITORS

(by Product Category and Booth Numbers)

Admissions and Tickets

Blackbaud514

Animation

KCETTV605

Architecture

Ewing Cole.....305

Audio/Visual

Budd Wentz Productions302

Canadian Museum of Nature524

Exhibit Engineering515

Mine-Control.....326

STEPS Project/Space Science408

Computer Software

Brad Larson Media520

NASA325

Siriusware.....603

Space Science Institute209, 211

STEPS Project/Space Science408

Tessitura Software521

Consultants

David Heil Associates508

Jack Rouse Associates602

Liberty Science Center311

Digital Equipment/Services

Digitalis Education Solutions119

Global Imagination614

Global Immersion531

Educational Programs

California Science Center 321

COSI517

David Heil Associates508

DaVinci Science Center.....203

iglobe539

Exploratorium225

Imagine Exhibitions503

NOAA507-509

NASA325

Space Science Institute209, 211

Electronic and Multimedia Products

Blue Telescope414

Digitalis Education Solutions119

Exhibit Engineering 515

iglobe539

Mine-Control326

NOAA507-509

Exhibit Design

American Museum of Natural History.....304, 306

BODY WORLDS406

Engineered Arts421

The Field Museum315

The Franklin Institute418

Jack Rouse Associates602

Funnel Design Group316

Liberty Science Center311

Minotaur Maze314

NRG! Exhibits319

Ontario Science Centre310

Roto Studio409, 411

Science Museum of Minnesota320

Universal Services Associates610

West Office Exhibition Design425

Exhibit Display Systems

Budd Wentz Productions302

NovelQuest Enterprises214

Exhibitions for Rent and Purchase

American Museum of Natural History304, 306

BODY WORLDS406

California Science Center321

Children's Discovery Museum of San Jose416

The Children's Museum of Indianapolis324

COSI517

Dinosaurs Unearthed139

Exploratorium225

The Field Museum315

The Franklin Institute418

Global Imagination614

The Health Museum518

Imagine Exhibitions503

John Nurminen Events B.V.604

Jonathan Engineering330

Liberty Science Center311

Minotaur Maze314

NOAA507-509

NovelQuest Enterprises214

NRG! Exhibits319

Ontario Science Centre310

Oregon Museum of Science and Industry.....318

Science Museum of Minnesota.....320

Science North.....303

Sciencenter415

Space Science Institute209, 211

Fabricators

BODY WORLDS406

Exploratorium225

Jonathan Engineering330

INDEX OF EXHIBITORS

(by Product Category and Booth Numbers)

Ontario Science Centre	10
Oregon Museum of Science and Industry.....	318
Roto Studio	409, 411
Universal Services Associates.....	610

Film and Video

Canadian Museum of Nature	524
The Health Museum	518
Jack Rouse Associates	602
KCET TV	605
nWave Pictures Distribution	410

Fund-Raising

Blackbaud	514
Tessitura Software.....	521
Institute of Museum and Library Services.....	231

Graphic Design

Funnel Design Group	316
West Office Exhibition Design	425

Interactive

Blue Telescope	414
Budd Wentz Productions	302
COSI 517	
Dinosaurs Unearthed	139
Engineered Arts	421
Exhibit Engineering	515
The Franklin Institute.....	418
Funnel Design Group	316
Global Imagination	614
Jonathan Engineering	330
Mine-Control	326
NovelQuest Enterprises	214
Oregon Museum of Science and Industry	318
Roto Studio	409, 411
Science Museum of Minnesota	320
Science North	303
Universal Services Associates	610
Snibbe	516

Large-Format Films

nWave Pictures Distribution	410
-----------------------------------	-----

Marketing Research

David Heil Associates	508
-----------------------------	-----

Multimedia

Blue Telescope	414
Brad Larson Media	520
Canadian Museum of Nature	524
KCET TV	605
Science North	303
STEPS Project/Space Science	408

Museum Store Merchandise

K'NEX	202
-------------	-----

Planetarium

American Museum of Natural History	304, 306
Digitalis Education Solutions	119
Global/Immersion	531
iglobe	539
Seiler Instrument	427
Sky-Skan	401

Robotics

Dinosaurs Unearthed	139
Engineered Arts	421

Shipping and Transportation

John Nurminen Events B.V.	604
--------------------------------	-----

Signage and Wayfinding

iZone	510
West Office Exhibition Design	425

Simulations

Seiler Instruments	427
Snibbe	516

Space Theater

Global/Immersion	531
------------------------	-----

Ticketing Systems and Solutions

Blackbaud	514
Tessitura Software	521
Siriusware	603

Touring Exhibitions

The Health Museum	518
-------------------------	-----

Travel Programs

The Field Museum	315
K'NEX	202
Minotaur Maze	314

Virtual Reality

Exhibit Engineering	515
---------------------------	-----

Visitor Research

Brad Larson Media	520
-------------------------	-----