November 14-16, 2018

Orange County, CA
Newport Beach Marriott Hotel & Spa
900 Newport Center Dr, Newport Beach, CA 92660

STEM ecosystems   **STEM Funders Network**   **TIES** Uniting Partners. Transforming Learning.

Wednesday, November 14		
	Item	Location
	Pre-Convening Sessions	
9 am - 12 pm	**Exhibit Table Set-Up & Event Check-In**	Grand Pacific Foyer
8 - 11 am	**Funders and Ecosystem Leads Meeting: Making It Work** *(rsvp required)*	Salon 4
10 am - 12:30	**Hands On with LEGO Education: Embedding STEM into Early Childhood Instruction** *(rsvp required)*	Salon 1 & 2
10 am - 12:30	**Cohort 4 Orientation Meeting**	Avalon Room
12 – 1 pm	**Leads at Lunch: A Conversation with NSF** *(rsvp required)*	Salon 3
	Convening Begins	
1 - 1:30 pm	**"Lessons from the Field" Welcome & Event Kick Off**	Salons A-D
1:30 - 2:30 pm	**STEM in Early Childhood: Its Importance & Relevance to STEM Learning Ecosystems** — *Presenters: Richard Arum, University of California, Irvine; Kimberly Brenneman, Heising-Simons Foundation; Doug Clements, University of Denver; Greg Duncan, University of California, Irvine; Deborah Stipek, Stanford University*	Salons A-D
2:45 - 3:50 pm (65 minutes)	**E2E BREAKOUT SESSIONS: HARVESTING LESSONS FROM THE FIELD**	
	#1 - **Big Data for Little Kids: Implementing Data Science in Early Childhood Programs** – *Presenter:* Andrés Henríquez, *NYSCI Neighbors STEM Ecosystem*	Laguna & Sunset Room
	#2 - **Newton to Bernoulli - Engaging Tomorrow's Innovators** – *Presenters:* Xan Black, *Tulsa Regional STEM Alliance;* Kristin Lewis-Warner, *PEAR Institute*	Avalon Room
	#3 - **Innovative Digital Tool Partnership: Extending Communication of Children with their Families** – *Presenters:* Katherine Gullone, *Pittsburgh Regional STEM Ecosystem*	Diamond Cove Room
	#4 - **Improving Your Youth Retention via Early Childhood STEM Programs** – *Presenters:* Winnie Black, *Carbon, Schuylkill and Luzerne Counties STEM Ecosystems;* Rich VanTol, *Great Lakes Bay Regional STEM Ecosystem;* Susie Grimm, *PBS SoCal*	Crystal Cove Room
	#5 - **Illuminate Learning: Exploring Learning Through Hands On, Minds On Inquiry Based Education in Early Childhood** – *Presenters:* Phil Hampton, *Ventura County STEM Network,* Jo-Ann Coggan, *Symbiosis*	Salons 1 & 2
	#6 - **Design, Build, Create - Early Childhood STEM Toolbox** – *Presenters:* Leyla Riley, *OC STEM Ecosystem;* Laylah Bulman, *Tampa Bay STEM Ecosystem*	Salons 3
	#7 - **From Family Engagement to Family Empowerment in STEM** – *Presenters:* Emily Dilger, *Bay Area STEM Ecosystem;* Linda Kekelis, *Bay Area STEM Ecosystem;* Sonia Bueno, *NYSCI Neighbors STEM Ecosystem;* Mary Jo Hutchinson, *Delran STEM Ecosystem Alliance;* Karen Wallace, *Interdisciplinary Science and Engineering Partnership in Western New York;* Erica DeMichele, *Delran STEM Ecosystem Alliance*	Salon 4
3:50 - 4 pm	**Transition, Networking & Visit Exhibit Tables**	
4 - 4:30 pm	**Closing Comments: Inspecting the Crop**	Salons A-D
4:45 - 5:15 pm	**From Land to Sea: Depart for Hornblower South Dock**	Meet in Grand Pacific Foyer
5:30 - 6 pm	**Boarding at Hornblower South**	
6 - 8:45 pm	**Welcome Sunset Cruise through Newport Harbor** *(dinner included)*	
8:45 - 9 pm	**Dock and Disembark**	
9 am - 9:30 pm	**Return to hotel**	

STEM ecosystems

Thursday, November 15		
7 - 8 am	Breakfast	Salons A-D
7 - 8 am	Breakfast Meeting for Ecosystem Leads & TIES	Salons A-D
8 - 8:20 am	Welcome from California STEM Learning Ecosystems Host Team	Salons A-D
8:30 - 9:45 am (75 min)	**E2E BREAKOUT SESSIONS: HARVESTING LESSONS FROM THE FIELD**	
	Running an Ecosystem on a Shoestring – *Presenters:* Tricia Berry, *Greater Austin STEM Ecosystem*; Mary Margaret Small, *North Country STEM Ecosystem*; Brigid Dineen, *Flagstaff STEM Learning Ecosystem*	Laguna & Sunset Room
	How Do We Know if We're Achieving STEM for All? A hands-on workshop for tracking collective impact - – *Presenters:* Heather King, *Chicago STEM Pathways Cooperative*; Kassie Davis, *Chicago STEM Pathways Cooperative*	Avalon Room
	For Teens, by Teens: Leveraging Youth Voice and Action to Launch Large Interest-Driven STEM Events – *Presenters:* Emily Dilger, *Bay Area STEM Ecosystem*; Laura Herszenhorn, *Bay Area STEM Ecosystem*; Jeremy Babendure, *Arizona SciTech Ecosystem*	Diamond Cove Room
	Leading Ecosystems to EcoSYNERGY – *Presenters:* Brian Gasper, *Carbon, Schuylkill, and Luzerne Counties STEM Ecosystems*; Demetrius Roberts, *PA STEM Experiences for Equity and Diversity (SEED) Ecosystem*	Mariner Cove Room
	SLE Policy 101 - Real World Examples and Lessons in Policy to Support STEM Learning Ecosystems – *Presenters:* Angela Baber, *LEAD STEM*; Kathleen Schofield, *Northeast Florida Regional STEM2 Hub*; Bob Abrams, *Indiana*; Judd Pitman, *PA STEM Experiences for Equity and Diversity (SEED) Ecosystem*; *Kim Case, NJ STEM Pathways Network*	Baycliff Room
	NSF INCLUDES DDLPs: Early Lessons Learned – *Presenters:* Alaine Allen, *Pittsburgh*; Ryan Champagne, *Pittsburgh*; Alison Slinskey-Legg, *Pittsburgh*; Linda Christopher, *OC STEM*; Andrés Henríquez, *Queens*; Natasha Smith-Walker, *Chicago*	Cardiff Room
	Nurturing Regional Ecosystems: New or Second Growth Forests (NC) compared to Mature or Old Growth Forests (WA) – *Presenters:* Lisa Rhoades, *NC STEM Ecosystem: Driving the Future*; Alfred Mays, *NC STEM Ecosystem: Driving the Future*; Carol Moore, *NC STEM Ecosystem: Driving the Future*; Bruce Middleton, *NC STEM Ecosystem: Driving the Future*; Jenee Myers Twitchell, *Washington STEM Ecosystem*	Salon E
	Connecting with Community Colleges for STEM Pathways: NSF Advanced Technological Education Grants – *Presenters:* Marilyn Barger, *Tampa Bay STEM Network*; Richard Gilbert, *Tampa Bay STEM Network*	Salon F
9:45 - 10 am	Break - Networking & Visit Exhibit Tables	

10 - 11:20 am	**THE CALIFORNIA CROP WORKSHOP SESSIONS** *Hosted by California STEM Learning Ecosystems*	
	#1 - **Measuring Impact** – *Presenter:* Leyla Riley, *OC STEM Ecosystem*	Baycliff Room
	#2 - **Strategic Approaches to Involving Network Partners** – *Presenters:* Bruce Simon, *East Bay STEM Network;* Trina Ostrander, *East Bay STEM Network*	Cardiff Room
	#3 - **Bringing Programs to Scale** – *Presenters:* Emily Dilger, *Bay Area STEM Ecosystem*; Laura Herzenhorn, *Bay Area STEM Ecosystem;* Doron Marcus, *Bay Area STEM Ecosystem*	Laguna & Sunset Room
	#4 - **In-School and OST Cohesion: Taking Action to Build a Culture of Collaboration** – *Presenters:* Christina O'Guinn, *Region 5 STEAM Ecosystem*; Mara Wold, *Region 5 STEAM Ecosystem*; Francine Ann Stewart, *Region 5 STEAM Ecosystem*; Bob Abrams, *Indiana STEM Ecosystem Initiative*; Allison Brody, *STEM-NM;* Sabrina Gomez, *LEAD STEM*	Avalon Room
	#5 - **Asset Mapping: From Blackboard to Black Hole** – *Presenters:* Eric Meyer, *San Diego STEM Ecosystem*; Kathleen Schofield, *Northeast Florida Regional STEM2 Hub;* Tricia Berry, *Greater Austin STEM Ecosystem*; Brigid Dineen, *Flagstaff STEM Learning Ecosystem*; Stephanie Schwab, *PA STEM Experiences for Equity and Diversity (SEED) Ecosystem*	Salon E
	#6 **High Impact Practices in STEM Mentoring** – *Presenters:* Phil Hampton, *Ventura County STEM Network;* Xan Black, *Tulsa Regional STEM Alliance*	Salon F
	#7 **BizEd Talk: Promising Partnerships for the Future** – *Presenters:* Geraldine Contreras, *Los Angeles Regional STEM Hub*; Bridget Netter, *Los Angeles Regional STEM Hub*	Mariner Cove Room
11:30 am - 12 pm	**California Crop: Sharing the Harvest. Connections: Post-workshop Discussions** *Presenters:* ALL CA Ecosystem Facilitators	Salons A-D
12 - 1 pm	**Fruits from the Field: Lunch**	Salons A-D
1 - 3:15 pm	**STEM Sessions by Leading National STEM Partners**	
1 pm - 2 pm	#1 **LEGO Education**	Baycliff Room
	#2 **National Inventors Hall of Fame** – *Presenters:* Shawn Boger & Christine Jayo, *Regional Program Development Managers*	Cardiff Room
	#3 **100kin10** – *Presenter:* Talia Milgrom-Elcott, *Executive Director*	Laguna & Sunset Room
	#4 **STEM Premier** – *Presenters:* John Welch & Valerie Keller	Avalon Room
	#5 **Raspberry Pi: Coolest Projects: Showcasing What Kids Create with Code** – *Presenter:* Matt Richardson, *Executive Director*	Salon E
	#6 **Science Fairs: Students from Three Ecosystems Tell Their Stories** – *Presenters:* Maria Wronski, *CFO, Broadcom Foundation and Retired Vice President and Treasurer, Broadcom Corporation*; Jessika Baral, *Fremont, California, Washington University*; Annie Ostojic, *Munster, Indiana*; Avery Clowes, *Boston, Massachusetts*; Prasanthi Sathyaprakash, *Engineer and Director, Global Supply Management, Cypress Semiconductor; President, Orange County Science and Engineering Fair (OCSEF)*; Doron Markus, *Science & Engineering Coordinator, San Mateo County Office of Education*	Salon F
	#7 **US2020** – *Presenters:* Colin Lacy & Stephanie Santoso, *Citizen Schools*	Mariner Cove Room
2 - 2:15 pm	**Transition, Networking & Visit Exhibit Tables**	
2:15 pm - 3:15 pm	#1 **LEGO Education**	Baycliff Room
	#2 **National Inventors Hall of Fame** – *Presenters:* Shawn Boger & Christine Jayo, *Regional Program Development Managers*	Cardiff Room
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Time	Session	Location
3:15 - 3:30 pm	**Transition, Network & Visit Exhibit Tables**	
3:30 - 4:15 pm	**Today's Exam is esports!: Building the Future Workforce** – *Presenters:* Tom Turner, *OC STEM*; Mark Deppe, *North America Scholastic Esports Federation/UCI esports*; Constance Steinkuehler, *UCI Department of Informatics*; Ben Tecker, *Esperanza High School*	Salons A-D
4:15 - 4:30 pm	**Wrap-Up/Housekeeping CS for All** (Independent Meetup)	
5 - 5:30 pm	**Depart for Santa Ana Esports Arena**	Meet in Grand Pacific Foyer
5:30 - 9 pm	**esports Night!** Exhibition Match, Esports Panel, Play & Learn (Food trucks will be onsite for dinner purchase.)	
9 - 9:30 pm	**Return to Hotel**	
	Friday, November 16	
7 - 8 am	**Breakfast**	Salons A-D
8 - 8:15 am	**Lessons from the Field – A Moment in Time**	Salons A-D
8:30 - 10 am	**Designing the Family Engagement and Public Understanding Spring CoP/ Focus Groups**	Diamond Cove Room
8:30 - 10 am (90 min)	**E2E Breakout Sessions: Harvesting Lessons from the Field**	
	Classrooms to Combines: Teachers in the Workplace – *Presenters:* Sandy Strunk, *Lancaster County STEM Alliance*; Peter Caddick, *Lancaster County STEM Alliance*; Willonda McCloud, *Lancaster County STEM Alliance*; Olivia Walters, *Lancaster County STEM Alliance*	Baycliff Room
	An SLE Point of View on Computer Science – Let's Make Quality and Access Happen! – *Presenters:* Tim Sisson, *North-east Ohio STEM Learning Ecosystem*, Lori Flippin, *Great Lakes Bay Region STEM Ecosystem*, Larry Plank, *Tampa Bay STEM Ecosystem*, Angela Baber, *LEAD STEM*, Judd Pittman, *PA STEM Experiences for Equity and Diversity (SEED) Ecosystem*	Cardiff Room
	Creating a STEM Ecosystem Governance Structure: Necessity is the Mother of Invention – *Presenter:* Nancy Peter, *Philadelphia STEM Ecosystem;* Tricia Berry, *Austin;* Emma Baney *and* Lisa Blank, *New York;* Allison Brody, *New Mexico*	Laguna & Sunset Room
	Teching-up and Geeking Out – *Presenters:* Jo-Ann Coggan, *Director of Community Outreach, Symbiosis*; Karen Lee, *Program Specialist, Science World*; Kate Henderson, *Manager School Engagement, Science World*; Patrick Robertson, *Principal and Founder of Syncollab Strategies*; Audrey Van Alstyne, *District Principal of Learning Technologies, Vancouver School Board*	Avalon Room
	Leveraging Partnerships: NonProfits & Solutions Providers – *Presenters:* Kathleen Schofield, *Northeast Florida Regional STEM2 Hub*; Laylah Bulman, *Tampa Bay STEM Ecosystem*	Salon E
	Industry Engagement – Getting to "I Do!" – *Presenters:* Ann Zimmerman, *KC STEM Alliance*; Doug Elmer, *KC STEM Alliance*; Anna Hennes, *KC STEM Alliance*; Jeremy Babendure, *Arizona SciTech Ecosystem*; Kaci Fankhauser, *Arizona SciTech Ecosystem*	Salon F
10 - 10:15 am	**Transition, Networking & Visit Exhibit Tables**	
10:15 -11:30 am (75 min)	**E2E Breakout Sessions: Harvesting Lessons from the Field**	
	#1 - Dialogue to Action: Family Engagement in the Ventura County and New York City Ecosystems – *Presenters:* Christopher Ahearn, *NYC STEM Education Network*; Jacqueline Davis-Manigaulte, *NYC STEM Education Network*; Phil Hampton, *Ventura County STEM Network;* Marcella Klein Williams, *Ventura County STEM Network*	Baycliff Room
	#2 - Observing for Cultural Competency in STEM – *Presenter:* LaTrenda Sherrill, *Pittsburgh Regional STEM Ecosystem*	Cardiff Room
	#3 - Partnerships with Purpose – *Presenters:* Edie Dobrez, *South Suburban STEAM Network*; Holly Kelsven, *South Suburban STEAM Network*	Laguna & Sunset Room
	#4 - Is Esports the STEM Trojan Horse? – *Presenter:* Tom Turner, Kevin Brown, Constance Steinkuehler, *OC STEM Ecosystem*	Avalon Room
	#5 - Creating Community Connections in the classroom: Engaging Industry in School Settings – *Presenter:* Melissa Dubois, *Oregon's Statewide Regional STEM Hub Network;* Mary Adams, *Cincinnati;* Courtney DeOreo, *NE Ohio;* Doug Elmer, *Kansas City*	Salon F
	#6 - Piloting a Program without a Flight Plan – *Presenters:* Erika Wilkinson, *Lancaster County STEM Alliance*; Sandy Strunk, *Lancaster County STEM Alliance*	Mariner Cove Room
	#7 - Building a Model of Public-Private Partnerships to Develop STEM Career Pathways – *Presenter:* Julie Sigmon, Jim Dennell, Victoria Novak, Tracie Reding and Chris Shaben, *Omaha STEM Ecosystem*	Diamond Cove Room
11:45 am - 12:15 pm	**Cultivating Our Ecosystems!** **Evaluation Survey, and Official Adjournment**	Salons A-D