

2023 SySTEAM mini-conference agenda						
ID	Item description	Speakers (marked in bold)	Type	Start	End	Duration (hrs)
1	Day 1			11:00 AM	4:00 PM	5:00
1.1	Welcome & overview			11:00 AM	11:20 AM	0:20
1.1.1	Opening remarks	<b>SySTEAM</b>	Admin	11:00 AM	11:05 AM	0:05
1.1.2	Conference logistics & FAQ	<b>SySTEAM</b>	Admin	11:05 AM	11:20 AM	0:15
1.2	SySTEAM overview			11:20 AM	11:45 AM	0:25
1.2.2	Overview of SySTEAM Initiative	<b>SySTEAM</b>	Admin	11:20 AM	11:45 AM	0:25
1.3	Session 1: Current trends & practices			11:45 AM	12:45 PM	1:00
1.3.1	Systems engineering education shortfalls with respect to INCOSE 2035	<b>Robin R. Rose</b>	Paper	11:45 AM	12:15 PM	0:30
1.3.2	Growing your own systems engineer	<b>David Ward, A. Abadessa</b>	Paper	12:15 PM	12:45 PM	0:30
1.4	Workshop 1: Current state of systems education			12:45 PM	1:10PM	0:25
1.4.1	Workshop logistics	<b>SySTEAM</b>	Admin	12:45 PM	12:50 PM	0:05
1.4.2	Workshop discussion	Attendees	Group	12:50 PM	1:10PM	0:20
1.5	Lunch break/networking			1:10PM	1:40 PM	0:30
1.6	Session 2: Emerging techniques & priorities			1:40 PM	3:50 PM	2:10
1.6.1	Using A3 Architecture Overviews as an educational tool	<b>Steven P. Haveman, B. Steenhuisen, M. G. Bonnema</b>	Paper	1:40 PM	2:10 PM	0:30
1.6.2	Engaging young learners in systems engineering education through gamified learning: introducing Lil Sys	<b>Matthew Frisbee, R. den Dulk, C. McCoy, K. Corl</b>	Poster	2:10 PM	2:20 PM	0:10
1.6.3	Bringing back Humanity in a tech-driven world: (re)incorporating the arts into engineering curricula to make STEAM reality and enhance disciplinary convergence	<b>Rock Mendenhall, Steven Simske, P. V. Knaus</b>	Paper	2:20 PM	2:50 PM	0:30
1.6.4	A time constrained integration of systems thinking into generic engineering degrees: a case study from New Zealand working towards Washington Accord Accreditation	<b>Nick Pickering</b>	Paper	2:50 PM	3:20 PM	0:30
1.6.5	Fumbling towards net-zero carbon policies: using simulation to improve the systems thinking principles	<b>Chris A. Browne</b>	Paper	3:20 PM	3:50 PM	0:30
1.7	Day 1 closeout			3:50 PM	4:00 PM	0:10
1.7.1	Closing remarks	<b>SySTEAM</b>	Admin	3:50 PM	3:55 PM	0:05
1.7.2	Adjournment / networking opportunity (optional)	Attendees		3:55 PM	4:00 PM	0:05

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ID	Item description	Speakers (marked in bold)	Type	Start	End	Duration (hrs)
<b>2</b>	<b>Day 2</b>			<b>9:00 AM</b>	<b>1:00 PM</b>	<b>4:00</b>
<b>2.1</b>	<b>Welcome &amp; overview</b>			<b>9:00 AM</b>	<b>9:05 AM</b>	<b>0:05</b>
2.1.1	Recap & overview	<b>SySTEAM</b>	Admin	9:00 AM	9:05 AM	0:05
<b>2.2</b>	<b>Session 3: Bridging education and experience</b>			<b>9:05 AM</b>	<b>10:45 AM</b>	<b>1:40</b>
2.2.1	Proposal of a method to foster systems thinking using visual thinking strategies	<b>Akihiro Kitahara, M. Ioki</b>	Poster	9:05 AM	9:15 AM	0:10
2.2.2	Integrating system safety engineering into STEM education	<b>Christopher Green</b>	Paper	9:15 AM	9:45 AM	0:30
2.2.3	For the journey to expertise in systems engineering, enhance the path with Shu Ha Ri	<b>Fred Robinson</b>	Paper	9:45 AM	10:15 AM	0:30
2.2.4	Human systems integration: from STEM to STEAM	<b>Guy André Boy</b>	Paper	10:15 AM	10:45 AM	0:30
<b>2.3</b>	<b>Workshop 2: Future trends in STEAM and STEM education</b>			<b>10:45 AM</b>	<b>11:05 AM</b>	<b>0:20</b>
2.3.1	Workshop discussion	Attendees	Group	10:45 AM	11:05 AM	0:20
<b>2.4</b>	<b>Break</b>			<b>11:05 AM</b>	<b>11:15 AM</b>	<b>0:10</b>
<b>2.5</b>	<b>Session 4: Pedagogy in practice (case studies)</b>			<b>11:15 AM</b>	<b>12:45 PM</b>	<b>1:30</b>
2.5.1	Systems thinking in emergent behavior analysis summer internships	<b>Kristin Giammarco, M. Collins, J. James, M. Novitzky</b>	Paper	11:15 AM	11:45 AM	0:30
2.5.2	Azusa Pacific University CubeSat program	<b>James D. Johansen</b>	Poster	11:45 AM	11:55 AM	0:10
2.5.3	Safety third: a case study for a project-based approach to systems engineering education	<b>Chris Brown</b>	Poster	11:55 AM	12:05 PM	0:10
<b>2.6</b>	<b>Closing</b>			<b>12:05 PM</b>	<b>1:00 PM</b>	<b>0:55</b>
2.6.1	Closing remarks	<b>SySTEAM</b>	Admin	12:05 PM	12:30 PM	0:25
2.6.2	Adjournment / networking opportunity (optional)	Attendees		12:30 PM	1:00 PM	0:30

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