

| 2025 SySTEAM mini-conference | | | | | | |
|------------------------------|---|---|---------------|----------|----------|----------------|
| ID | Item description | Speakers (marked in bold) | Type | Start | End | Duration (hrs) |
| 1 | Day 1 | | | 11:00 AM | 5:00 PM | 6:00 |
| 1.1 | Welcome & overview | | | 11:00 AM | 11:25 AM | |
| 1.1.1 | Opening remarks: welcome, mini-conference overview, & Day 1 logistics | SySTEAM | Admin | 11:00 AM | 11:25 AM | 0:25 |
| 1.2 | Technical session 1: the importance of systems competencies | | | 11:25 AM | 12:30 PM | |
| 1.2.0 | Session intro/SySTEAM context | SySTEAM | SySTEAM | 11:25 AM | 11:30 AM | 0:05 |
| 1.2.1 | Children's after school club on systems thinking and sustainability | Adriana D'Souza | Paper/poster | 11:30 AM | 12:00 PM | 0:30 |
| 1.2.2 | The value of SySTEAM for interdisciplinary AI pattern creation | Rock Mendenhall & Steven Simske | Paper/poster | 12:00 PM | 12:30 PM | 0:30 |
| 1.3 | The state of SySTEAM: current & future plans | | | 12:30 PM | 1:00 PM | |
| 1.3.1 | SySTEAM's past and present work (& upcoming opportunities to get involved) | SySTEAM | SySTEAM | 12:30 PM | 1:00 PM | 0:30 |
| 1.4 | Plenary session 1 | | | 1:00 PM | 1:45 PM | |
| 1.4.1 | [Guest speaker] Overview of The Guide to the Systems Engineering Body of Knowledge (SEBoK) | Nicole Hutchison (SEBoK Editor-in-Chief) | Guest speaker | 1:00 PM | 1:45 PM | 0:45 |
| | Coffee break (+ optional attendee networking) | | | 1:45 PM | 2:00 PM | 0:15 |
| 1.5 | Workshop 1: revitalizing systems competency education for the digital age | | | 2:00 PM | 3:05 PM | |
| 1.5.1 | Workshop logistics & discussion theme intro | SySTEAM | Admin | 2:00 PM | 2:10 PM | 0:10 |
| 1.5.2 | Workshop discussion (small groups/breakout rooms) | All attendees | Attendees | 2:10 PM | 2:55 PM | 0:45 |
| 1.5.3 | Roundtable discussion of findings (entire group) | All attendees | Attendees | 2:55 PM | 3:05 PM | 0:10 |
| | Coffee break (+ optional attendee networking) | | | 3:05 PM | 3:20 PM | 0:15 |
| 1.6 | Technical session 2: integrating systems competency development into educational practice | | | 3:20 PM | 4:55 PM | |
| 1.6.0 | Session intro/SySTEAM context | SySTEAM | SySTEAM | 3:20 PM | 3:25 PM | 0:05 |
| 1.6.1 | Can employability skills be developed and measured? The Helix Employability Skills Measurement Framework | Tom McDermott & Nicole Hutchison | Paper/poster | 3:25 PM | 3:55 PM | 0:30 |
| 1.6.3 | Modeling beyond the V: using model-based systems engineering and STEAM goals to unlock creativity in systems engineering education | Christopher Green | Paper/poster | 3:55 PM | 4:25 PM | 0:30 |
| 1.6.4 | Tools to manage complexity: a case study in teaching model based systems engineering & requirements management to non-systems engineers | Nick Pickering | Paper/poster | 4:25 PM | 4:55 PM | 0:30 |
| 1.7 | Day 1 closeout | | | 4:55 PM | 5:00 PM | |
| 1.7.1 | Day 1 summary & preview for Day 2 | SySTEAM | Admin | 4:55 PM | 5:00 PM | 0:05 |
| | Adjournment (+ optional attendee networking) | | | 5:00 PM | 5:00 PM | |

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|------------------------------|---|---|---------------|----------|----------|----------------|
| ID | Item description | Speakers (marked in bold) | Type | Start | End | Duration (hrs) |
| 1 | Day 2 | | | 9:00 AM | 1:00 PM | 4:00 |
| 2.1 | Welcome & overview | | | 9:00 AM | 9:10 AM | |
| 2.1.1 | Opening remarks: Day 1 recap & Day 2 logistics | SySTEAM | Admin | 9:00 AM | 9:10 AM | 0:10 |
| 2.2 | Technical session 3: cultivating future systems engineers & improving the STEAM pipeline | | | 9:10 AM | 10:15 AM | |
| 2.2.0 | Session intro/SySTEAM context | SySTEAM | SySTEAM | 9:10 AM | 9:15 AM | 0:05 |
| 2.2.1 | The SE competency conundrum | David Ward & Victor Bertolazzo | Paper/poster | 9:15 AM | 9:45 AM | 0:30 |
| 2.2.2 | Letters to Self: cultivating STEAM self-efficacy and engagement through storytelling | Federica Robinson-Bryant, Stueti Gupta, & Alice Squires | Paper/poster | 9:45 AM | 10:15 AM | 0:30 |
| 2.3 | Workshop 2: interconnecting education & employment in systems engineering | | | 10:15 AM | 10:55 AM | |
| 2.3.1 | Workshop logistics & discussion theme intro | SySTEAM | Admin | 10:15 AM | 10:20 AM | 0:05 |
| 2.3.2 | Workshop discussion (small groups/breakout rooms) | All attendees | Attendees | 10:20 AM | 10:50 AM | 0:30 |
| 2.3.3 | Roundtable discussion of findings (entire group) | All attendees | Attendees | 10:50 AM | 10:55 AM | 0:05 |
| | Coffee break (+ optional attendee networking) | | | 10:55 AM | 11:10 AM | 0:15 |
| 2.4 | Plenary session 2 | | | 11:10 AM | 11:45 AM | |
| 2.4.1 | [Guest speaker] Overview of the Cornell Systems Summit (& announcement of an in-person SySTEAM workshop session) | Cliff Whitcomb (Cornell Systems Summit organizer) | Guest speaker | 11:10 AM | 11:45 AM | 0:35 |
| 2.5 | Technical session 4: systems engineering pedagogy in practice, in classrooms & beyond | | | 11:45 AM | 12:50 PM | |
| 2.5.0 | Session intro/SySTEAM context | SySTEAM | SySTEAM | 11:45 AM | 11:50 AM | 0:05 |
| 2.5.1 | Introducing scientists and business professionals to systems engineering and systems thinking | Ali Nasser | Paper/poster | 11:50 AM | 12:20 PM | 0:30 |
| 2.5.2 | Safety Third follow-up: updating the project-based approach to systems engineering education | Chris Brown | Paper/poster | 12:20 PM | 12:50 PM | 0:30 |
| 2.6 | Closing | | | 12:50 PM | 1:00 PM | |
| 2.6.1 | Closing remarks & next steps | SySTEAM | Admin | 12:50 PM | 1:00 PM | 0:10 |
| | Adjournment | | | 1:00 PM | 1:00 PM | |

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