

# CCC SIG Meeting Info 2024-2025

## [CCC SIG Meeting Running Agenda and Notes 2022-2023](#)

### Admin

- **Meeting link:**  
<https://us05web.zoom.us/j/89340221311?pwd=CS03PoU1x662pFol9efwoYukCEKaBT.1>  
Meeting ID: 893 4022 1311  
Passcode: 647324
- **Listserv:** [ICICLE-CCC@LISTSERV.IEEE.ORG](mailto:ICICLE-CCC@LISTSERV.IEEE.ORG)
  - Listserv management: <https://listserv.ieee.org/cgi-bin/wa?SUBED1=ICICLE-CCC>
  - Or to subscribe email to [ListServ@ieee.org](mailto:ListServ@ieee.org): Send an email to ListServ@ieee.org, containing the following text in the body of the message:  
**subscribe ICICLE-CCC YourFirstName YourLastName** (Use First Name followed by your Last Name sent from the e-mail address that you want to subscribe. The e-mail subscribe instruction does not support an e-mail address field, if you try to use an e-mail address in the Name fields it will be rejected.)
- [Email updates sent to Listserv](#)
- [Discord server #ccc-sig](#) channel

### Folder and Draft Framework

- [CURRENT\\_9-24\\_Learning Engineering Draft Competency Framework](#)
- [Competencies, Curriculum, Credentials SIG Folder](#)
- Recordings and Presentations  
[https://drive.google.com/drive/folders/1hhdjCMv4ahv8EdPyewG1-tJaz8Mlrv-E?usp=drive\\_link](https://drive.google.com/drive/folders/1hhdjCMv4ahv8EdPyewG1-tJaz8Mlrv-E?usp=drive_link)

### Background

- Competency Category Survey  
<https://docs.google.com/forms/d/1znGBRX1yBBVbly3Ktue0av9eB3v4zcTPpHLEaARrwW4/edit#responses>
- Brainstorm: What should people know about LE?
  - [Brainstorm](#) notes on what people should know about LE
  - [Jamboard](#) notes on what people should know about LE
- [Resource folder](#)
  - 2018-2021 work [folder](#):
    - [Data Science Tasks for Learning Engineers](#) (doc)

- [Learning Engineering Categories By Flower with O\\*NET Tasks](#) (sheet)
  - [Learning Engineering Job/Roles and Tasks from OPM](#) (sheet)
- [Can-do descriptors for CCC competency subdomains](#) (doc)
  - [Playlab RPG instructional game generation prompt](#) (text)
    - [Prompt generation process](#) (dialog)

## CCC SIG No Meetings January and February 2025

## CCC SIG No Meeting December 2024

## CCC SIG Meeting 22 November 2024

### Attendees:

Renée Johnson, Katherine McEldoon, Oliver Pincus, Caitlin Lim, D'Marie Bartolf, Kevin Owens, Megan Imundo, Brandt Dargue, Adesunloy Adeola, Amy Parent, Jennifer Rogers, Jim Goodell, Michael Jay, Renee Johnson, Toby, Zarka Ali, Evangeline, Jodi

### Agenda:

- Introductions and Updates
- Conferences
  - ICICLE folks at Learning 2024 and I/ITSEC
- Moving forward: [One-pager Orientation \(Version 2\)](#)
- Guest Speaker: Vincent Villanueva, Department of the Air Force, Air Education and Training Command
- CCC SIG December Meeting: CANCELED - Happy holidays!

## CCC SIG Meeting 25 October 2024

Attendees: Caitlin Lim, Katherine McEldoon, Tyler De Lane, Anne Little, Megan Imundo, Renée Johnson, Avron Barr, Jodi Lis, Evangeline Schepper, Jim Salsman, Zarka Ali, Vincent Villanueva, LaTonya Motley, Michael Jay, Kevin Owens, Samaa Haniya, Genzeb Jan

### Agenda:

- Introductions and Updates
- Conferences
  - Call for Papers: [AIS 2025](#)

Aaron Kessler, Erin Czerwinski and Jeanine DeFalco announce a **CALL FOR PAPERS** to be part of a conference session “**Learning Engineering: Stories from the Field**”. This hybrid session will be part of [AIS 2025](#) (which is an affiliated conference of [HCII 2025](#)). Session description below. 800 word abstract is due November 8th! Please email [Aaron Kessler](#) your full name, email, and affiliation, and he will invite you to submit an abstract through the HCII system.

Session Description:

This hybrid session will explore the rapidly evolving field of Learning Engineering, bringing together researchers, practitioners, and professionals to share qualitative and quantitative insights from the front lines of this interdisciplinary practice. Learning engineers operate at the intersection of learning science, technology, and instructional design, using data, algorithms, and technology-driven solutions to create, enhance, and optimize learning environments. This session aims to provide a platform for discussing real-world experiences, ethical dilemmas, innovative practices, and emerging competencies within the field. It will include papers and case studies that reflect on both the theoretical frameworks and practical applications of learning engineering, focus on the use or development of AIS will be especially considered.

- ICICLE folks at DevLearn and Learning 2024:
- I/ITSEC
  - Generalizable LE Adoption Maturity Model
  - Possible meet-ups: LTSC, Government / Military
  - Presenting “What is an M&S Expert? Clarifying Competency Expectations in the DAF’s Modeling and Simulation Workforce: A Case Study”
- Learning Sciences Competency Model
  - Pulling it in for SME review
  - Cassie Freeman has been pulled in to gather in further reviewers.
  - Learning Sciences/Research frameworks has been reviewed for competency statement compliance.
- Guest Speaker: Tyler De Lane
  - Background in Network/Desktop support but also taught middle school
  - Made Serious Games for the military
  - Recommended the book: [Modernizing Learning](#) (free download)
  - “Competencies are the glue that hold together our formal and informal learning experiences.”
  - [Competency and Skills System \(CaSS\)](#)
- Moving forward: [One-pager Orientation \(Version 2\)](#)
- Upcoming meeting planning and cancellation
  - ICICLE Community call: November 20th
  - CCC SIG November 22 (Meeting moved up a week for Thanksgiving)
  - CCC SIG December: CANCELED

# CCC SIG Meeting 27 September 2024

Attendees: Michael Jay, Amy Parent, Renee Johnson , Megan Imundo, Caitlin Lim, Evangeline Schepper, Jodi Lis, Jill Haskell, LaTonya Motley  
Eric Ultes

## Agenda:

- Conference Recap
- Introductions
- Framework Development Update: Learning Sciences
- Working group orientation and proposed development process
- Upcoming meetings in October and November (December cancellation)

## Conference Recap

- [Requests for addition to the group.](#)
- No responses received on competency feedback form.
- [Feedback collected from Conference session.](#)

## Framework Development

- Learning Engineering Competency Framework mock up here:  
[https://rise.articulate.com/share/uqGAddFsVXTz0tnB4iaH6HI71a0Gxz33#/#/](https://rise.articulate.com/share/uqGAddFsVXTz0tnB4iaH6HI71a0Gxz33#/)
- [Current Draft is going through SME review for the Learning Sciences Domain](#)

## Group Consideration

- [One-pager Orientation \(Version 2\)](#) for any working on the framework moving forward.
- Proposed activity is to have breakout rooms for discussion and feedback on sections of the document.

## Upcoming meeting planning and cancellation

- October 25
- November 22 (Meeting moved up a week for Thanksgiving)
- December: CANCELED

# CCC SIG Meeting 31 May 2024

Attendees: Jim Salsman, Adesola Ogundimu, Henry Ryng, Renee Johnson , Oliver Pincus, Anne Fensie, Kevin Owens, Katie Nicksic

[Link to Presentation and Recording for Kevin Owens' presentation May 2024 meeting](#)

#### Agenda:

- Conference
- Framework Development during month of June
- Guest Speaker, Kevin Owens

#### Conference

- Have you registered? If you are planning to attend, it would be helpful for ICICLE planning purposes to please register by early registration, June 15th.
  - Conference is in the Omni hotel. It may be hot outside but it'll be cool inside.
  - Seeking sponsors. Please reach out to Shelly.
- [Session on Day 2, Tues afternoon](#)
  - Starts with 5 minute Lightning Talk by Jim G on LTSC

Collaborating together with:

- What does it mean to be a novice learning engineer? CMU's LE Fellowship Program. List of their skills to adapt into the framework
  - Upskilling IDs to LEs
  - Breakdown skills
  - Same language with competencies and people's relationship with LE
- LE Competency Framework - CCC SIG
  - If interested in working on the session with CMU
    - Latonya
  - At the conference, you may all be facilitating to gather feedback

#### Framework Development

- Learning Engineering Competency Framework mock up here:  
[https://rise.articulate.com/share/uqGAddFsVXTz0tnB4iaH6HI71a0Gxz33#/#/](https://rise.articulate.com/share/uqGAddFsVXTz0tnB4iaH6HI71a0Gxz33#/)
- Adapt into the framework
  - Jim's [Can-do Descriptions](#)
  - List of [CMU skills](#) to adapt into the framework
  - Others (e.g. O\*NET?)
- Working meetings: Fridays at 3 pm - June 7th, 14th, 21st

#### Kevin Owens, Engineering Scientist, Applied Research Labs, UT Austin

- [Kevin Owens](#) joined us to share his experiences with competencies. He is an Engineering Scientist at the Applied Research Laboratories, The University of Texas at Austin. He uses learning engineering in Department of Defense Modeling & Simulation programs and other research projects. As part of his work around learning and training in the military, he develops and adapts competency models and frameworks. He's been an active member of the ICICLE community for years. Kevin and other ICICLEists presented at 2023 ICICLE conference on [STEEL-R: Connecting Synthetic Training and](#)

[Experiential Learning to the Total Learning Architecture and IEEE LTSC Data Standards](#) (not the same slides from Kevin's recording today). He shared work around competencies with Synthetic Training Environment Experiential Learning for Readiness (STEEL-R) and other projects.

- [Slides and recording](#)
  - [Slides](#)
  - [Recording](#)
- Kevin has encountered issues with workforce-style competencies that don't always separate semantic knowledge from real-time procedural skills and abilities.
- Question from Anne F. re emotional affect sensing.
  - The STEEL-R system senses multiple affective states via correlates measurement directly, and categorizes several such emotional and physiological states.
- Question from Jim S. (re "Addressing Team Process with Automated Speech Act Assessments," by J.T Folsom-Kovarik, et al., pp. 139-146; and "Leveraging Advances in Natural Language Processing to Support Team Communication Analytics in GIFT," by R. Spain, et al., pp. 147-156, in [Proceedings of the 10th Annual GIFT Users Symposium \(GIFTSym10\)](#), 2022, Orlando, Florida),  
How can we integrate intelligibility assessment and remediation in speech act assessments?
  - One person in charge of such assessment requirements is Ben Goldberg, a senior research scientist at the U.S. Army Combat Capability Development Command – Soldier Center, and co-creator of the Generalized Intelligent Framework for Tutoring (GIFT, not to be confused with the [Moodle GIFT](#) format for instructional interaction items.) Dr. Goldberg is the team lead for a research program focused on the development and evaluation of Training Management Tools for future Army training systems. There may be others.
- [Other questions, see recording]
- Question from Brian Duck: Have hardware interfaces been developed for capturing xAPI data?
  - Yes
- Question from Brian Duck: Has the STEEL-R profile been published?
  - Uncertain. Ask Mr. /Shelly Burkheart/?. The profiles will change.

## CCC SIG Meeting 26 April 2024

[Link to Presentation and Recording for 26 April 2024 meeting](#)

Attendees: Jodi Lis, Evangeline Schepper, Dennis Green, Zarka Ali, Anne Fensie, Jim Salsman, Brandt Dargue, Henry Ryng, Phil Vahey, Genzeb Jan, Aaron Kessler, Katie Nicksic, Bill Lynch, Eric Ultes, Oliver Pincus, Renee Johnson, Jim Goodell, DMarie Bartolf, Latonya Motley, Amy Parent

Agenda:

- [Dennis Green](#) will join us as a guest speaker. He is the Principal of [South Arm Training and Development](#) which provides services at the intersection of the world of work, life-long learning and technology. He is the author of [ECAMPUSONTARIO OPEN COMPETENCY TOOLKIT](#). He will be talking about his experiences on developing competency frameworks, provide guidance on moving forward, and will walk us through the competency framework that he is currently working on.
  - Discussion:
    - Jim Salsman wants to ask about building a [English Grammar Profile Online](#)-style crowdsourcing database for fine-grained “can-do competency descriptors” pertaining to the items in the [US Federal Workforce Competency Initiative topics](#) (and messaged Dennis about this Thursday.)
      - Note “competency descriptors” are just called “tasks” or “competency statements” in Dennis’s framework, and he does have a way to crowdsource them!
      - Is there a machine-readable version of the Federal Workforce Competency Initiative General Competencies anywhere?
        - Yes, O\*NET: <https://www.onetcenter.org/database.html>
        - has web services too:  
<https://www.onetcenter.org/database.html#web-services>
  - Learning Engineering Competency Framework mock up here: [https://rise.articulate.com/share/uqGAddFsVXTz0tnB4iaH6HI71a0Gxz33#](https://rise.articulate.com/share/uqGAddFsVXTz0tnB4iaH6HI71a0Gxz33#/) This is a first pass at a mock up of what we hope to achieve in an interactive format. We look forward to your feedback.

## CCC SIG Meeting 29 March 2024

Attendees: Renee Johnson, Phil Vahey, Henry Ryng, Oliver Pincus

Agenda:

- Discussion of Conference
  - SIG Session
  - Idea to put the working models on posters (based on draft Miro board) to then workshop and ideate from post-its; facilitators will transfer work to Miro or other digital platform
- Next focus areas/tasks of SIG:
  - Domains and sub-domains
  - Bring these to the ICICLE conference for the active learning session

- Suggestion to set up the CCC SIG session with suggested prerequisite sessions for those new to ICICLE or LE

## CCC SIG Meeting 23 February 2024

### Agenda:

- ICICLE conference - [Call for Proposals](#)
  - Session ??? Competencies for a LE Team
- Update Learning Sciences: Competency Working Group Update  
<https://docs.google.com/document/d/1TPixsyF3KYfqNUzcHFVtBFM0kgjX9vuf1ITgIvbnMas/edit#heading=h.ne51s3r5g1jj>
  - [Miro Board](#)
  - Next meeting: March 12th at 4pm ET/ 1pm PT
- Primer Ideas Presentation
  - John Costa and Ian Gibson, [RePubIT](#) (Contact [jbcosta@repubit.com](mailto:jbcosta@repubit.com) and [igibson@repubit.com](mailto:igibson@repubit.com) )
  - SIG/MIG resources
    - Higher Ed SIG: [Workshop in a Box](#)
    - pK12 SIG:
      - Website designed for ICICLE 2023 Conference and other conferences:  
<https://sites.google.com/view/icicle-conference2023-pk-12mig/home?authuser=0>
      - Primer ideas:  
<https://docs.google.com/document/d/1E8CpHLNfGVel6EyJSgXgul4iqUH5CV0NLkYKXJyfTj8/edit>
    - Design SIG: Requested members to provide resources  
<https://docs.google.com/document/d/1FjrJ2jt7ReUyDUUpGIQsxNErWsOPgONO9rLL7Bit-FCI/edit>
- LE Tasks/Skills
  - [Brainstorm](#)
  - [Learning Engineering Categories By Flower with O\\*NET Tasks](#) (sheet)
  - [Learning Engineering Job/Roles and Tasks from OPM](#) (sheet)

## CCC SIG Meeting 26 January 2024

Attending: Evangeline Schepper, Jodi Lis, Zarka Ali, Anne Fensie, Oliver Pincus, Simon Hsu, Samaa Haniya, Katherine McEldoon, D'Marie Bartolf, William Lynch, Brandt Dargue, Ben goldberg, Kevin Owens

[Today's Presentation](#)



## Agenda:

- Framework Categories
  - [Review Survey results](#) - How to Incorporate ideas into a framework
  - What do we want people to know about LE  
[https://docs.google.com/document/d/1shoF7IMpb4bp2oisuEUdNXKXOrQ0zgcOsJy\\_afbDXTA/edit#heading=h.2vq2lw1ycvy8](https://docs.google.com/document/d/1shoF7IMpb4bp2oisuEUdNXKXOrQ0zgcOsJy_afbDXTA/edit#heading=h.2vq2lw1ycvy8)
    - Mind Map?
    - Introduction to LE/LE Essentials Working Group Update: Meeting time set
  - Update [Category Spreadsheet](#)
  - Reference: [Competency Development](#)
- Learning Sciences: Competency Working Group Update  
<https://docs.google.com/document/d/1TPixsyF3KYfqNUzcHFVtBFM0kgjX9vuf1ITgIvbnMas/edit#heading=h.ne51s3r5g1jj>
- Primer
  - SIG/MIG happenings
    - Higher Ed SIG: [Workshop in a Box](#)
    - pK12 SIG:
      - Website designed for ICICLE 2023 Conference and other conferences:  
<https://sites.google.com/view/icicle-conference2023-pk-12mig/home?authuser=0>
      - Primer ideas:  
<https://docs.google.com/document/d/1E8CpHLNfGVel6EyJSgXgul4igUH5CV0NLkYKXJyfTj8/edit>
    - Design SIG: Requested members to provide resources  
<https://docs.google.com/document/d/1FjrJ2jt7ReUyDUUpGIQsxNErWsOPgONO9rLL7Blt-FCI/edit>
    - Tools SIG: [Tools Survey](#)
  - Technology - Potentially Google Site or Wix as an over.
  - Table of Contents - Organized by domain areas
- Anne Fensie and William (Bill) Lynch wants to lead the Learning Design subcommittee.
- Next Steps