



ICQE22 Detailed Schedule

Room numbers and times may be adjusted slightly in the coming weeks.

Saturday, October 15

Niels Bohr Bygningen (IND Building)

Address: Rådmandsgade 64, 2200 København N

2:00 PM – 5:00 PM CET

Doctoral Consortium Session 1

Room: [01.0.G.064/070](#)

Invited Participants Only

5:00 PM – 5:30 PM CET

Informal Dinner Meetup

Early arrivals meet in the [Atrium in IND Building](#) to walk to local venues

Sunday, October 16

Niels Bohr Bygningen (IND Building)

Address: Rådmandsgade 64, 2200 København N

9:30 AM – 10:00 AM CET

Morning Registration

Room: [01.0.G.064/070](#)

Coffee and snacks provided

10:00 AM – 12:00 PM CET

Workshop 1A: Introduction to ENA

Room: [SCI-IND-0H128](#)

Yuanru Tan, Hazel Vega and Brendan Eagan

This workshop will explore the basics of quantitative ethnography using ENA, explain the underlying theory of the tool, and discuss basic use.

Workshop 1B: Introduction to Automated Coding and nCoder

Room: [SCI-IND-0H146](#)

Jaeyoon Choi, Amanda Siebert-Evenstone and Seung Lee

This workshop will explore quantitative ethnographic analysis using nCoder, explain the underlying theory of the tool, and discuss basic use and common strategies.

Workshop 1C: Advanced ENA Interpretations

Room: [01.0.G.064/070](#)

David Shaffer and Amanda Barany

This workshop will focus on interpreting ENA models and associated results.

12:00 PM – 1:00 PM CET

Lunch

Room: [Atrium](#)

Open to all attendees

1:00 PM – 3:00 PM CET

<p>Workshop 2A: Open Science and the Reproducible Open Coding Kit (ROCK)</p> <p>Room: 01.0.G.064/070</p> <p><i>Szilvia Zörgő and Gjalt-Jorn Ygram Peters</i></p> <p>Participants will walk through the fundamentals of the Reproducible Open Coding Kit (ROCK) with a special focus on how it can be employed for QE analyses.</p>	<p>Workshop 2B: Advanced ENA and rENA</p> <p>Room: SCI-IND-0H128</p> <p><i>Yeyu Wang, Liv Nøhr and Daniel Spikol</i></p> <p>This workshop will introduce using rENA and combining ENA with other methods.</p>	<p>Workshop 2C: The Role of Ethnography in Quantitative Ethnography</p> <p>Room: SCI-IND-0H146</p> <p><i>David Shaffer and Yotam Hod</i></p> <p>The discussants will lead a discussion of the role of ethnography in Quantitative Ethnography.</p>
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3:30 PM – 5:00 PM CET

<p>Expertise Exchange Mentorship Event (formerly Coffee with a Proffie)</p> <p>Room: SCI-IND-0H146</p> <p><i>Mentorship event for attendees who signed up for the Expertise Exchange during registration</i></p> <p><i>Coffee and beverages provided</i></p>

5:30 PM – 6:30 PM CET

<p>Conference Welcome Session</p> <p>Meet in the Atrium in IND Building</p> <p><i>Nordic themed cider and cheese provided</i></p>
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Monday, October 17

Center for Sundhed og Samfund (CSS Building)

Address: Øster Farimagsgade 5, 1353 København K

9:00 AM – 9:30 AM CET

<p>Opening Session</p> <p>Room: 35-01-06</p>	<p>Morning Registration</p> <p>Room: 35-01-25 <i>Coffee and snacks provided</i></p>
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9:30 AM – 10:45 AM CET

<p>Invited Panel Discussion:</p> <p>Quantitative Ethnography of and for Policy and Practice</p> <p>Room: 35-01-06</p> <p><i>Panelists:</i> Juan Carmach, UNESCO Sanna Järvelä, University of Oulu Mamta Shah, Elsevier Education Nancy Wong, University of Wisconsin-Madison</p> <p><i>Panel Moderator:</i> Andrew Ruis, University of Wisconsin-Madison</p>

11:00 AM – 12:00 PM CET

<p>Paper Session 1A Exploring Professional Engagement and Learning Room: 35-01-12 Chair: Victor Lee</p>	<p>Paper Session 1B Policy in Practice Room: 35-0-13 Chair: Sanna Järvelä</p>	<p>Paper Session 1C Formalizing QE Foundations Room: 35-3-13 Chair: Yotam Hod</p>
<p>1. Mathematics Teachers’ Knowledge for Teaching Proportion: Using Two Frameworks to Understand Knowledge in Action <i>Chandra Orrill and Rachael Brown</i></p>	<p>1. Quantitative Ethnography of Policy Ecosystems: A Case Study on Climate Change Adaptation Planning <i>Andrew Ruis</i></p>	<p>1. The Foundations and Fundamentals of Quantitative Ethnography <i>Golnaz Arastoopour Irgens and Brendan Eagan</i></p>
<p>2. Learning through feedback: Understanding early-career teachers’ learning using online video platforms <i>Lara Condon, Amanda Barany, Janine Remillard, Caroline Ebby, and Lindsay Goldsmith-Markey</i> Best Student Paper Nominee</p>	<p>2. Computational thinking in educational policy – the relationship between goals and practices <i>Andreas Tamborg, Liv Nøhr, Emil Bøgh Løkkegaard and Morten Misfeldt</i></p>	<p>2. Parsing the Continuum: Manual Segmentation of Monologic Data <i>Szilvia Zörgő and Jais Brohinsky</i></p>
<p>3. Change the Museum: Examining social media posts on museum workplace experiences to support justice, equity, diversity, and inclusion (JEDI) efforts <i>Danielle Espino, Bryan Keene, and Payten Werbowsky</i> Best Paper Nominee</p>	<p>3. Political Discourse Modeling with Epistemic Network Analysis and Quantitative Ethnography: Rationale and Examples <i>Eric Hamilton and Andrew Hurford</i></p>	<p>3. Does Active Learning Reduce Human Coding?: A Systematic Comparison of Neural Network with nCoder <i>Jaeyoon Choi, Andrew Ruis, Zhiqiang Cai, Brendan Eagan and David Shaffer</i> Best Student Paper Nominee</p>



12:00 PM – 1:00 PM CET

<p>Lunch</p> <p>Room: 35-01-27</p> <p><i>Open to all attendees</i></p>	<p>Informal Lunch Meetup:</p> <p>Annual meeting of the QE Open Science SIG</p> <p>Room: 35-01-25</p> <p><i>Join the QE Open Science SIG during lunch to discuss the future! Topics include: next Sandbox events, open resources, reporting guidelines, data sharing, and other channels for ensuring professional peer support.</i></p>
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1:00 PM – 2:30 PM CET

<p>Keynote Presentation:</p> <p>Fusing Qualitative and Quantitative Methods: Finding Moments to Savor in Slow Research on Adolescents</p> <p><i>Karin Frey</i></p> <p>Room: 35-01-06</p> <p>How do we make room in our lives to savor research given publication pressures and the challenges of slow research? Creating reliable coding systems and negotiating conflicting goals among community partners can demand much of our attention. This talk will discuss how informal ethnographies and community participation complicate research questions and measurement in exciting and challenging ways. It will chart the introduction of QE and ENA into the discipline of developmental psychology by highlighting the potential for examining relationships within and between emotions, personal values, and behavior.</p>

3:00 PM – 3:30 PM CET

<p>Meet and Walk to Dinner Venue (Nyhavn 71)</p> <p>Participants attending the historical boat tour and conference dinner should meet in the 35-01-25 CSS Building to walk to Nyhavn 71</p>



3:30 PM – 10:30 PM CET

Historical Guided Boat Tour and Conference Dinner at Flakfortet Fortress in Copenhagen Bay

NOTE: The guided tour and conference dinner will consist of a boat trip to an island in Copenhagen Bay. Attendees should plan to stay for the duration of the event.

3:45 PM - Departure (by boat) from Nyhavn 71

4:45 PM - Arrival Flakfortet

5:00 PM - Historical guided tour

6:15 PM - Dinner with all you can drink beer, water, soda, and wine

9:30 PM - Departure (by boat) Flakfortet

10:30 PM - Return to Nyhavn 71

Tuesday, October 18

Center for Sundhed og Samfund (CSS Building)

Address: Øster Farimagsgade 5, 1353 København K

9:00 AM – 9:30 AM CET

Morning Registration

Room: [35-01-25](#)

Coffee and snacks provided

Paper Session 2A Student Learning and Self-Regulation Room: 35-0-12 Chair: Amanda Barany	Paper Session 2B Engaging Participants in Research Room: 35-0-13 Chair: Crina Damsa	Symposium Session Initiating a Discussion on Reporting Practices in QE Room: 35-3-13
1. Understanding Detectors for SMART Model Cognitive Operation in Mathematical Problem-Solving Process: An Epistemic Network Analysis <i>Mengqian Wu, Jiayi Zhang and Amanda Barany</i>	1. How Can We Co-Design Learning Analytics for Game-Based Assessment: ENA Analysis <i>Yoon Jeon Kim, Jennifer Scianna and Mariah Knowles</i> Best Paper Nominee	<i>Presenters:</i> Savannah Donegan Marcia Moraes Diána Dunai Gjalt-Jorn Peters Brendan Eagan Clara Porter Rogers Kaliisa Szilvia Zörgő
2. Self-Regulation in Foreign Language Students' Collaborative Discourse for Academic Writing: An Explorative Study on Epistemic Network Analysis <i>Ward Peeters, Olga Viberg and Daniel Spikol</i>	2. Analyzing the Co-design Process by Engineers and Product Designers from Perspectives of Knowledge Building <i>Ayano Ohsaki and Jun Oshima</i>	<p>Reporting is an essential aspect of all research, including the field of quantitative ethnography (QE), especially when using QE's flagship analysis tool, Epistemic Network Analysis (ENA). In this symposium, a disciplinarily diverse set of speakers who have collaborated on a systematic review of the QE field will assemble to share explanations and examples of how reporting features and practices specific to QE can enhance the understanding, transparency, and confirmability of research. Symposium attendees will be engaged in a dialogue on how to develop rigorous and widely accessible QE reporting guidelines as the discipline continues to develop.</p>
3. Automated Code Extraction from Discussion Board Text Dataset <i>Sina Mahdipour Saravani, Sadaf Ghaffari, Yanye Luther, James Folkestad and Marcia Moraes</i> Best Student Paper Nominee	3. Creating and Discussing Discourse Networks with Research Participants: What Can we Learn? <i>Hazel Vega</i>	

Break Room: 35-01-25 <i>Coffee and snacks provided</i>

11:00 AM – 12:00 PM CET

<p>Paper Session 3A Understanding Online Collaboration</p> <p>Room: 35-0-12 Chair: Nikol Rummel</p>	<p>Paper Session 3B Shared Experiences through a QE Lens</p> <p>Room: 35-0-13 Chair: Brendan Eagan</p>	<p>Paper Session 3C Advances in Modeling</p> <p>Room: 35-3-13 Chair: Eric Hamilton</p>
<p>1. Community at a Distance: Understanding Student Interactions in Course-Based Online Discussion Forums <i>Jennifer Scianna, Monique Woodard, Beatriz Galarza, Seiyon Lee, Rogers Kaliisa and Hazel Vega Quesada</i></p>	<p>1. An Examination of Student Loan Borrowers' Attitudes toward Debt before and during COVID-19 <i>Dara Bright and Amanda Barany</i></p>	<p>1. Multiclass Rotations in Epistemic Network Analysis <i>Mariah Knowles, Amanda Barany, Zhiqiang Cai and David Shaffer</i> Best Student Paper Nominee</p>
<p>2. Modeling Collaborative Discourse with ENA using a Probabilistic Function <i>Yeyu Wang, Andrew Ruis and David Shaffer</i> Best Student Paper Nominee</p>	<p>2. Ukraine War Diaries: Examining lived experiences in Kyiv during the 2022 Russian invasion <i>Danielle Espino, Kristina Lux, Heather Orrantia, Samuel Green, Haille Trimboli and Seung Lee</i></p>	<p>2. Ordered Network Analysis <i>Yuanru Tan, Andrew Ruis, Cody Marquart, Zhiqiang Cai, Mariah Knowles and David Williamson Shaffer</i> Best Student Paper Nominee</p>
<p>3. What makes a good answer? Analyzing the Content Structure of Answers to Stack Overflow's Most Popular Question <i>Luis Morales-Navarro and Amanda Barany</i> Best Student Paper Nominee</p>	<p>3. Leveraging Epistemic Network Analysis to Discern the Development of Shared Understanding between Physicians and Nurses <i>Vitaliy Popov, Raeleen Sobetski, Taylor Jones, Luke Granberg, Kiara Turvey and Milisa Manojlovich</i> Best Paper Nominee</p>	<p>3. Segmentation and Code Co-occurrence Accumulation: Operationalizing Relational Context with Stanza Windows <i>Szilvia Zörgő</i></p>



12:00 PM – 1:00 PM CET

<p>Lunch</p> <p>Room: 35-01-27</p> <p><i>Open to all attendees</i></p>	<p>Informal Lunch Meetup: Women, Trans Women, and Non-binary Scholars</p> <p>Room: 35-01-25</p> <p><i>Join the annual meeting of talented scholars during lunch to make connections and learn about upcoming work.</i></p>
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1:00 PM – 2:00 PM CET

<p>ICQE Newcomer Welcome Session</p> <p>Room: 35-0-13</p> <p><i>An introduction and welcome session for first-time participants in ICQE.</i></p>	<p>Coder's Corner</p> <p>Room: 35-0-12</p> <p><i>Formerly "Coding with Cody," join this session to discuss coding-related questions or research projects.</i></p>	<p>Teaching with QE Meetup</p> <p>Room: 35-3-13</p> <p><i>Meeting to share and receive resources on teaching with Quantitative Ethnography</i></p>
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2:00 PM – 3:00 PM CET

<p>ICQE Community Meeting</p> <p>Room: 35-01-06</p> <p><i>Open to all attendees, the community meeting will offer updates on the growth and development of the QE community!</i></p>

4:00 PM – 7:00 PM CET

<p>Poster Session and Cocktail Reception</p> <p>Room: 35-01-27</p>

Introduction and Welcome

4:00 pm – 4:15 pm

Presenter Group 1 (Alphabetical by author)

4:15pm – 5:15pm CET

- 1. Active Learning Observation Networks**
Karen Alavi, Viktor Holm-Janás and Jesper Bruun
- 2. Learning Software Development on the Web: Exploring Patterns in Students' Platform Access Traces**
Andrés Araos, Crina Damşa and Dragan Gašević
- 3. Understanding Early-Career Mathematics Teaching Identities and Instructional Vision**
Lara Condon
Doctoral Consortium Poster
- 4. Learning Natural Selection through Computational Models in a High School AP Biology Classroom**
Bradley Davey, Amanda Peel, Michael Horn and Uri Wilensky
- 5. Making Sense of Teachers' Communities of Practice: Relational Agency and Flow of Resources**
Barbara Dzieciatko-Szendrei
- 6. Leaving Ukraine: Analysis of Interviews with Ukrainian Refugee Women on Lived Escape Experiences**
Danielle Espino, Heather Orrantia, Haille Trimboli, Samuel Green, Kristina Lux and Seung Lee
Best Poster Nominee
- 7. Choosing STEM: How Underrepresented Students Make Major and Career Decisions**
Yiyun Fan, Amanda Barany and Aroutis Foster
- 8. Using Social Annotations for Knowledge Construction During Online Collaborative Text Study**
Shai Goldfarb Cohen and Gideon Dishon
Best Poster Nominee
- 9. A Less Overconservative Method for Reliability Estimation for Cohen's Kappa**
Matt He, Ryan Baker, Stephen Hutt and Jiayi Zhang
- 10. Expanding Fairness in Game-Based Assessment with Quantitative Ethnography**
Yoon Jeon Kim and Jaeyoon Choi
- 11. To Affinity and Beyond: Tensions to Tackle to Legitimize Participation by Aspiring Programmers**
Seiyon Lee and Amanda Barany
- 12. Using ENA to Understand the Perceptions of Professionals, University Professors, and Graduate Students in the Computer Science Field Regarding the Development of a Machine Learning Program for Youth**
Katherine Mulholland, Cinamon Sunrise Bailey and Golnaz Arastoopour Irgens
- 13. Examining Community Development in an Online, Global, Collaborative Learning Environment**
Heather Orrantia, Danielle Espino, Yutong Tan and Eric Hamilton
- 14. Edges in Epistemic Network Analysis**
Katherine Scheuer, Ejura Salihu and Apoorva Reddy
Best Poster Nominee
- 15. Communicating QE: A Two-Part Resource for Quantitative Ethnographers in Health Education and Health Care Contexts (Part 1 of 2)**
Mamta Shah, Sarah Jung, Andrew Ruis and Abigail Wooldridge
- 16. Unraveling Temporally Entangled Multimodal Interactions in CSCL Environments**
Hanall Sung and Mitchell Nathan
Doctoral Consortium Poster
- 17. Examining Effects of Organizational Context on the Implementation of Clinical Innovations: A QE Approach**
Demetrius Solomon, Douglas Wiegmann, Vishala Parmasad and Nasia Safdar
- 18. Geographic Analysis of Asian American College Access**
Jonathon Sun
Doctoral Consortium Poster

Poster Transition

5:15 pm – 5:30 pm CET

Presenter Group 2 (Alphabetical by author)

5:30 pm – 6:30 pm CET

1. **The Reshape T1D Study: Using the Strengths of Participatory Quantitative Ethnography in Patient and Clinician Led Research to Understand the Type 1 Diabetes Lived Experience**
Jamie Boisvenue and Rose Yeung
Doctoral Consortium Poster
2. **Exploring Similarities and Differences on how an All-Male and an All-Female Student Team, Respectively, Develop Ideas of Computational Thinking in Model-Eliciting Activities Through Epistemic Network Analysis**
Beatriz Galarza Tohen, Guadalupe Carmona and Gonzalo Martinez-Medina
3. **A Virtual Internship for Pre-service Teachers: Developing Relational Agency and Inclusive Learning Communities**
Ana Hibert, Nataša Pantić, Justine MacLean, Michael Phillips, Dragan Gašević and Yi-Shan Tsai
4. **Code-wise ENA: A Sequential Representation of Discourse**
Mariah Knowles, Meixi, Tolulope Famaye, Amanda Barany and Mamta Shah
5. **Using Contextual Engineering to Inform Coastal Resilience Decisions in the Great Lakes Region**
Alina Lusebrink and Ann-Perry Witmer
6. **An Introduction to Open Network Explorer**
Cody Marquart, Cesar Hinojosa and David Shaffer
7. **Theoretical Foundations for Pattern-Making Logic from Limited Data Using Causal Models in Machine Learning**
Jodi Masters-Gonzales
Doctoral Consortium Poster
8. **Examining Teachers Discourse Around the Components of High-Quality, Effective Professional Development**
Sinead Meehan and Amanda Barany
9. **Epistemic Network Analysis used as Learning Analytics Visualization: A Systematic Literature Review**
Marcia Moraes, James Folkestad and Kelly McKenna
10. **Impact of Affect on Self-Regulated Learning**
Nidhi Nasiar
11. **Augmenting Qualitative Coding with Machine Learning**
Brett Puetz
12. **Communicating QE: A Two-Part Resource for Quantitative Ethnographers in Health Education and Health Care Contexts (Part 2 of 2)**
Andrew Ruis, Abigail Wooldridge, Mamta Shah and Sarah Jung
Best Poster Nominee
13. **Responses to Support in Discussions of Antidepressant Side Effects on Reddit**
Katherine Scheuer
Doctoral Consortium Poster
14. **Understanding How Undergraduate Nursing Students (Learn to) Recognize Cues in Digital Clinical Experiences: A Transmodal Analysis**
Mamta Shah, Francisco Jimenez, Brendan Eagan, Amanda Siebert-Evenstone and Cheryl Wilson
Best Poster Nominee
15. **Epistemic Network Analysis on Asian American College Access Literature**
Jonathon Sun and Amanda Barany
16. **Reflections on How Japanese and US Media Reported the 2022 Beijing Winter Olympics Opening Ceremony**
Yutong Tan and Jinbo Wang
17. **Using Ordered Network Analysis to Visualize Ideologies in Political Survey Data**
Yuanru Tan, Binrui Yang, Brendan Eagan and Peter Levine
18. **The Qualitative Network Approach (QNA)**
Gjalt-Jorn Ygram Peters, Szilvia Zörgő and Han L J van der Maas
Best Poster Nominee

Open Discussion

6:30 pm – 7:00 pm CET

Wednesday, October 19

9:00 AM – 9:30 AM CET

Morning Registration

Room: [35-01-25](#)

Coffee and snacks provided

9:30 AM – 11:00 AM CET

Keynote Presentation:

Knowledge-Building Analytics: Quantitative Ethnography of Knowledge-Building Practices

Jun Oshima

Room: [35-01-06](#)

The knowledge-building theory is a new theory of learning founded on perspectives of knowledge-creation that emphasizes the collective nature of knowledge in the community. Traditional analytics approaches may not always be appropriate to evaluate learner practices. This talk will introduce socio-semantic network analysis of discourse to grasp how learners engage in their collective idea improvement, and the Knowledge-Building Discourse Explorer software application to visualize temporal word networks. The talk will also address recent innovations in knowledge-building analytics by integrating socio-semantic network and epistemic network analysis.

11:00 AM – 11:30 AM CET

Break

Room: [35-01-25](#)

Coffee and snacks provided

11:30 AM – 12:30 PM CET

Paper Session 4A

Advances in QE Automation and Simulation

Room: [35-0-12](#)

Chair: Xavier Ochoa

1. The Role of Data Simulation in Quantitative Ethnography

Zachari Swiecki and Brendan Eagan

Best Paper Nominee

2. LSTM Neural Network Assisted Regex Development for Qualitative Coding

Zhiqiang Cai, Brendan Eagan, Cody Marquart and David Shaffer

Best Paper Nominee

3. Modeling Students' Performances in Physics Assessment Tasks Using Epistemic Network Analysis

Hamideh Talafian and Hosun Kang

Paper Session 4B

Broadening Perspectives on QE

Room: [35-0-13](#)

Chair: Kristine Lund

1. Reducing networks of ethnographic codes co-occurrence in anthropology

Alberto Cottica, Veronica Davidov, Magdalena Góralaska, Jan Kubik, Guy Melançon, Richard Mole, Bruno Pinaud and Wojciech Szymanski

2. Is QE Just ENA?

David Williamson Shaffer and Andrew Ruis

3. Intro to Automated Coding with Codey: Better, Fairer, Faster

Cody Marquart and David Shaffer

12:30 PM – 1:30 PM CET

Closing Session

Room: [35-01-06](#)

Join us for closing remarks, awards, and next year's announcements.

1:30 PM – 4:00 PM CET

Doctoral Consortium Session 2

Room: [35-01-12](#)

Invited Participants Only

