

Parallel Session 1

Designs for Knowledge Building in the Field

Chunxia Li. Design challenge: Strategies of English reading for ESL students in a Chinese primary school based on Knowledge Building
Glenn Wagner. Knowledge Building: A Model for K-12 Implementation
Gaoxia Zhu. The Co-occurrence of Emotions and Discourse Moves in Per-service Teachers' Knowledge Building

Parallel Session 2

Designing Knowledge Building Tools and Technologies

Ahmad Khanlari. Enhancing Learning Analytics through Natural Language Processing: Assessing Student Writing Proficiency in Knowledge Building Communities
Luc Beaudoin. How contextual information-retrieval software can support knowledge-building by extending intermediate and long-term consciousness
Hye Won Han. Integrating Accessibility Improvements for Equal Participation in KB: Focusing on Inclusion and Learning Experiences
Ahmad Khanlari, Gaoxia Zhu. Knowledge Building Analytics to Measure Explanatory Coherence Using Machine Learning

Parallel Session 3

Designs and Frameworks for Knowledge Building Implementation

Zeinab Rahmati. Teachers' conceptual change in learning and teaching through knowledge building discourse
Marije Bent. Co-creation for lesson design in education
Lydia Cao. Knowledge Building with Earth-centred Design

Parallel Session 4

Rising above Designs for Knowledge Building Communities

Guangji Yuan, Chew Lee Teo, Aloysius Ong. Facilitating Cross-community Interaction With Teachers Reflection Note in Knowledge Building Communities
Stefano Cacciamani. Fostering the Changes to create Knowledge Building communities in a Network of Classrooms: The case of "Classi in Rete"
Guo-Tsai Hung, Chih-Hui Seet, Huang-Yao Hong. Fostering collaboration and cultural interests through idea-centered, design-oriented knowledge building pedagogy

Parallel Session 5

Designing Analytics to Sustain and Advance Knowledge Building

Yun Zhan. Exploring Undergraduate Students' Experience of Intergroup Collaboration in a Knowledge Building Course through Cognitive Discourse Analysis
Aloysius Ong, Chew Lee Teo, Alwyn Lee, Guangji Yuan. Exploring the use of Epistemic Network Analysis to assess collaborative engagement in Knowledge Building discourse
Gaoxia Zhu, Chew Lee Teo, Guangji Yuan, Aloysius Ong. Emotions in Students' Data Science-Enhanced Knowledge Building

Parallel Session 6

Design Challenges of AI and Knowledge Building

Marlene Scardamalia, Carl Bereiter. Incorporating "Chat" AI into Knowledge Building Discourse
Seng Chee Tan. Using generative AI to support knowledge building: Initial ideas
Bodong Chen: KB AI Hackathon Report and demo of results

Parallel Session 7

Emergent Designs and Collective Capacity for Innovating Higher Education Knowledge Building Environments

Marlene Scardamalia, Dina Soliman, Stacy Costa. Principles-Based Co-design in a Knowledge Building Environment
Yun Zhang & Shaoming Chai. Investigating Inter-Group Collaboration in an Undergraduate Knowledge Building Classroom in China
Stefano Cacciamani, Vittore Perrucci, Ahmad Khanlari, Giulia Balboni. Progressive Design Method and Sense of Community in a blended university course
Dina Soliman, Drew Whitworth, Steven Priddis. Engagement in digital, media, and information literacy practices within a knowledge building environment
Meiju Chen & Huang-Yao Hong. Designing a course to help master students develop thesis proposals via knowledge building discourse

Parallel Session 8

Designs and Challenges of Scaling Knowledge Building Communities in K-12 Environments

Jianwei Zhang. Build an Interdisciplinary Community for Authentic Research Experiences (i-CARE) among High School Students
Niall Mackinnon. In school education how do we make sense of what we do, how may we in future, and who are we?
Chew Lee Teo. Interactive discussion - Interdisciplinary approach to measure outcome of interest of Knowledge Building Classroom

Parallel Sessions 9-11

Collaboratory: Knowledge Building Design Challenges

Rob Huang. Design Challenge: What's in a prompt?
Fernando Diaz del Castillo. Design Challenge: Knowledge Building in the Mentu Learning Platform
Patricia Brooks. Supporting student-led reflection in Knowledge Forum in Year 12 Chemistry lessons