

Poster Session 3
 Thursday, August 4, 2016
 1:00 PM-2:30 PM

| Title | Authors |
|---|---|
| Comparing Performance on Paper-and-Pencil and Computer-based Assessments of Spatial Ability | Margaret Tarampi and Mary Hegarty. |
| Toying Around with Spatial Learning: How Toy Design Influences Parent-Child Interactions Around Geometric Shapes | Brian Verdine, Maya Marzouk, Natalie Brezack, Kathy Hirsh-Pasek and Roberta Golinkoff. |
| Order of element placement in physical concept-mapping reveals differences in subject matter comprehension | Anveshna Srivastava, Nisheeth Srivastava and Sanjay Chandrasekharan |
| Role of Physics pedagogy in mental rotation performance: Lecture versus modeling classes | Alina Nazareth, Rosalie Odean, Jessica Bartley, Eric Brewes, Angela Laird and Shannon Pruden. |
| Spatial Thinking Learning Using Explicit Spatial Language | Sorachai Kornkasem and John B. Black |
| Exploring the Process: How Collaborative Problem Solving Advances Representations Toward Math Expertise | Yanning Yu and David Uttal. |
| Wayfinding in unfamiliar environments: Report of a real-world study using eye tracking | Beatrix Emo, Tyler Thrash, Victor Schinazi and Christoph Hoelscher. |
| Increased landmark familiarity does not improve cognitive mapping in a novel virtual environment | Meghan Vollebregt, Nicole Youngson and Jennifer Sutton. |
| The buzz about navigation: Is a vibro-tactile compass useful? | Daniel Badgio, Steven Weisberg and Anjan Chatterjee. |
| How Spatial Ability and Stress Impact Escape Path | Benjamin Nelligan, Alexandra Amorati, Deanne Adams, Christopher Galeucia and Laura Carlson. |
| Perspective taking in pilots | Mikayla Keller and Jennifer Sutton. |
| Wayfinding behaviour in everyday life | Andrew Barker |
| The Effects of tDCS on Adapting to a Spatial Separation Between Seen and Felt Hand Locations Within a Virtual Environment | Hayley Thair and Roger Newport. |
| Physical Touch-Based Rotation Processes of Primary School Students | Sven Bertel, Stefanie Wetzel and Steffi Zander |
| Representing 360° Local Area Awareness using 2D indirect visual display | Aniruddh Ravipati, Ambika Shahu, Chandan Kharbanda and Priyanka Srivastava. |
| Mapping Time onto a Spatial Reference Frame | Jennifer Kolesari and Laura Carlson. |
| Spatially situating remote users: An examination of immersive technology on presence and team participation | Danielle Oprean, Mark Simpson and Alexander Klippel |

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| The relationship between mechanics of materials education and spatial visualization. | Oai Ha and Shane Brown |
| Spatial integration within environmental spaces. Testing predictions from mental walk and mental model | Mary O'Malley, Heinrich H. Bühlhoff and Tobias Meilinger. |