

## **74<sup>th</sup> EDGD Midyear Conference Program and Schedule**

Sunday, 17 November 2019, Hilton Norfolk the Main

12:00-5:00 PM	Registration Third Floor Registration Desk
3:00 – 4:30 PM	EDGD Executive Committee meeting Ghent
6:00-8:00 PM	Reception Imagination

Monday, 18 November 2019, Hilton Norfolk the Main

8:00-5:00 PM	Registration, Main Ballroom Foyer B
8:30 – 9:30 AM	Breakfast, Main Salon B
9:50-10:00	Keynote Speaker Introduction, Main Salon B
10:00-10:30	Keynote Speaker, Dr. Stephanie Adams, President, ASEE
10:40 – 12:00 AM	Technical Session 1
12:00 – 1:00 PM	Lunch Main Salon C
1:00 – 3:00 PM	Technical Session 2 Main Salon B
3:30 – 4:00 PM	Break
4:00 – 5:00 PM	Solid Professor Workshop
6:00 – 8:30 PM	Dinner at Saltine, Hilton The Main

Tuesday, 19 November 2019, B Hilton Norfolk the Main

8:00-5:00 PM	Registration Main Ballroom Foyer B
8:30 – 9:30 AM	Breakfast Main Salon B
10:00 – 12:00 AM	Technical Session 3 Main Salon B
12:00 – 1:00 PM	Lunch
1:00 – 3:30 PM	Technical Session 4 Main Salon B
3:30 – 4:00 PM	Break, Main Salon B
6:00 – 8:30 PM	Awards Dinner at Hilton The Main “Momentum”

Wednesday, 20 November 2019

Depart

**Technical Session 1** – Moderator: Diana Bairaktarova

**Lost in Translation - Diverse means of Design Communication**

*Monika Herrmann and David Richter-O'Connell*

**Certification Exam-Aided Assessment of Student Learning**

*Robert Chin and Ranjeet Agarwala*

**Effect of Demographics on Improvement of Visualization Skills for Incoming First Year Students**

*Jorge Rodriguez, Diana Bairaktarova and Luis G. Rodriguez-Velazquez*

**Technical Session 2** – Moderator: Vukica Jovanovic

**Specifying Inch Fits: Students' Understanding of Size and Scale**

*Theodore Branoff*

**Can Virtual Reality Enhance User Performance and Experience by Reducing an Individual's Cognitive Workload?**

*Yi-Hsiang Chang, Kevin Devine and Gunnar Klitzing*

**Use Gamification to Engage Gen Zers in Learning of Engineering Graphics**

*Lulu Sun*

**Technical Session 3** – Moderator: Jeremy Ernst

**Learning and Engineering Student Retention**

*Jeremy Ernst, Aaron Clark and Daniel Kelly*

**Developing a Centralized Process for Assessing Program Performance for Accreditation**

*Theresa Martin and Patrick Connolly*

**Characteristics of Secondary Engineering Design Graphics Educators: Three Waves of IES Data from 2007 to 2016**

*Thomas Williams and Jeremy Ernst*

**Technical Session 4** – Moderator: Lulu Sun

**Transforming a Rapid Prototyping Course to an Additive Manufacturing Course**

*Ranjeet Agarwala and Robert Chin*

**Training the Active Duty Naval Workforce using the Digital Thread to Design/Redesign Basic Models with validation through Additive Manufacturing**

*Vukica Jovanovic, Anthony Dean, Karina Arcaute, Michel Audette and Dipankar Ghosh*

**Information Visualization Techniques of Beginning Designers: Patterns and Opportunities**

*Andrew Jackson*

**Encouraging Peer-to-Peer Learning in Technical Graphics: A Strategy for Consideration**

*Shannon Chance*