**Symposium Kick-off**
Welcome Message from Dr. W. Kent Fuchs, University of Florida President
Introduction from Evangeline Tsibris Cummings, Assistant Provost and Director UF Online
Log on to listen but also get your setup ready for participation!

**Opening Keynote Perspectives with Eric Stoller**
Is My Mic On? Supporting Students in Our New Normal

<table>
<thead>
<tr>
<th>Time</th>
<th>Track 1: Tools for Success: Plug &amp; Play Strategies for Online Learning</th>
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<tbody>
<tr>
<td>11:00am – 12:00pm EDT</td>
<td>Redesign of Junior Materials Laboratory Course: Staged Delivery Model</td>
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<td>Nancy Ruzycki (UF) Engineering: Material Science</td>
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<th>Time</th>
<th>Track 2: Supporting the Student Experience: Community &amp; Inclusion</th>
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<td>11:00am – 12:00pm EDT</td>
<td>Establishing a Community of Practice to Rapidly Scale Virtual STEM Lab Creation</td>
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<td>Johnny El-Rady, Cynthia DeLuca, Christine Brown (USF) Interdisciplinary</td>
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<th>Time</th>
<th>Track 3: Thinking Big: Course Planning Strategies &amp; Student Outcomes</th>
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<tr>
<td>11:00am – 12:00pm EDT</td>
<td>COVID-19 Rapid Response Course Design: Student Outcomes</td>
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<td>Kent Crippen, Melanie Veige, Joseph Watts, Corey Payne, Lorelie Imperial (UF)</td>
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<td>11:20am – 12:00pm EDT</td>
<td>Traditional Course versus Mixed Mode Course and then the Transition to Fully Online Instructional during COVID-19</td>
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<td>Kersten Schroeder (UCF)</td>
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<td>11:40am – 12:00pm EDT</td>
<td>Using Realizelt’s Adaptive Learning Platform to Reach a Diverse Set of Learners</td>
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<td>Magdalin A. Swanson (FGCU) Chemistry – Math – Biology</td>
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<tr>
<th>Time</th>
<th>Lunchtime Keynote Perspectives Dr. Shweta Bansal</th>
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<tr>
<td>12:00pm – 1:00pm EDT</td>
<td>Public Health Demands on Higher Education in the COVID-19 Era</td>
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</table>
**Track 1: Tools for Success: Plug & Play Strategies for Online Learning**

- **Fully Flipped Large-Scale Classes: Strategies for Active Learning**
  - 1:00 – Taking it up a Notch: From Engaging Clicker Integration to a Fully Flipped Large-Scale Class
    - *Syleste Hoskins (USF)*
  - 1:30 – YANTRA: Integrating Formative Learning in Flipped Introductory Programming (CS1) Class
    - *Ashish Aggarwal (UF)*
    - Biology - Computer Science

**Track 2: Supporting the Student Experience: Community & Inclusion**

- Ensuring Hospitality in Online Learning Environments
  - *Richard E. Biehl (UCF)*
  - Computer Science - Interdisciplinary

**Track 3: Thinking Big: Course Planning Strategies & Student Outcomes**

- How to Sustainably Impact Mathematics in Higher Education: An Innovative Open Educational Resource eText Story of Success
  - *Abigail C. Perkins, Papiya Bhattacharjee (FAU)*
  - Mathematics

**2:00pm – 3:00pm EDT**

- **Keynote Perspectives with Dr. Tonya Matthews**
  - STEM’s Perfect Storm: Moving Academic Pedagogy and Practice from Creative Coping to Opportunity Advantage in Tumultuous Times

**3:00pm – 4:00pm EDT**

- **Interactive Discussion Session**
  - What, So What, Now What? Designing and Teaching STEM Labs While the Meaning of Time and Space Warped
  - *Emma Brady, Assistant Director of Academic Programs, UF Online*
  - *Stefanie Gazda, Department of Biology, University of Florida*

**5:00pm – 6:00pm EDT**

- **Join us for a Symposium-wide Social Hour!**

ufonline.ufl.edu/stempowered
**WEDNESDAY OCTOBER 21ST, 2020**

**Symposium Day 2: Welcome Back**
Evangeline Tsibris Cummings, Assistant Provost and Director UF Online

**Keynote Perspectives with Dr. Bryan Alexander**
Science in the Academy: Several Future Paths for Higher Education

**Track 1: Tools for Success: Plug & Play Strategies for Online Learning**
Incorporating Augmented Intelligence to Enhance Learning: Automatic and Diagnostic Item Generation (Auto-DIG)

*Darryl Chamberlain, Jr. (UF)*

Mathematics

**Track 2: Supporting the Student Experience: Community & Inclusion**
Increasing Equity and Diversity through a Hybrid Online Bachelor’s Program in Microbiology and Cell Science

*Josh Steele, Eric Triplett, Jacqueline Baron-Lee, Monika W. Oli, Lexi Ardisonne, Georgia Thompson (UF)*

Biology

**Track 3: Thinking Big: Course Planning Strategies & Student Outcomes**

*Case Studies in Online Chemistry Courses*

11:00 – Increasing Agentic Learning in an Online General Chemistry for Health Science Laboratory Course

*Abigail C. Perkins, Ozlem Yavuz-Petrowski, Julie Golden-Botti, Nicole Alford (FAU)*

11:30 – A Phenomenographic Study of Undergraduate Chemistry Students’ Experiences with Virtual Laboratories

*Shalaunda Reeves, University of Michigan*

*Kent Crippen, Erica McCray, Melanie Veige (UF)*

Chemistry

**Out of the Box Lunch Session: Pop Culture in the Virtual Classroom**

12:00 – Developing Augmented Reality Experiences...Shark Tank Style!

*Christine Brown (USF)*

12:30 – Films as Virtual Physics Labs: An Online Alternative for Introductory Physics I Labs

*Christos Velissaris (UCF)*

ufonline.ufl.edu/stempowered
**WEDNESDAY OCTOBER 21ST, 2020**

### Track 1: Tools for Success: Plug & Play Strategies for Online Learning

**Tools Across Disciplines**

1:00 – From Regular to Extraordinary: 3 Tools Anyone Can Use to Make Incredible Learning Happen Online

*Maikel Alendy (FIU)*

1:20 – Mathematica in Motion

*Dr. Korey D. Sorge (FAU)*

1:40 – ChANgE Chem: Authentic Engineering Experiences in General Chemistry Laboratory

*Kent Crippen, (UF)*

*Interdisciplinary – Mathematics – Chemistry – Engineering*

### Track 2: Supporting the Student Experience: Community & Inclusion

**Promoting Microbial Literacy by Engaging Today’s Youth Through Collaborative STEM Outreach Opportunities**

*Amanda E. Ojeda, Monika W. Oli, Namratha Tarigopula (UF)*

*Environmental Science*

### Special Session: E-Poster Presentations

**Interactive Panel Discussion**

Won’t You Be My Neighbor: University Systems as Collaborative Communities

- Evangeline Cummings, Assistant Provost and Director of UF Online, University of Florida
- Maikel Alendy, FIU Online, Florida International University
- Asim Ali, Executive Director of the Biggio Center for the Enhancement of Teaching & Learning, Auburn University
- Karen Barnes, Department of Chemistry, University of West Florida
- Johnny El-Rady, Department of Cell Biology, Microbiology and Molecular Biology, University of South Florida
- Wendy Howard, Program Director of the Pegasus Innovation Lab, University of Central Florida
- Susan Seal, Executive Director of Distance Education, Mississippi State
- Korey Sorge, Department of Physics, Florida Atlantic University
- Melanie Veige, Department of Chemistry, University of Florida

### 2:00pm – 3:00pm EDT

**Keynote Perspectives with Dr. Barry Nussbaum**

The New STEM: Correlations, Collaborations, Cautions, Communications

### 3:00pm – 4:00pm EDT

**Closing Message from Evangeline Tsibris Cummings, Assistant Provost and Director UF Online**