

# Improving Health Professional Education (HPE) and Practice through Technology - A Workshop

**November 16-17, 2017**

Keck Center of the National Academies, Room 100  
500 Fifth Street NW, Washington DC 20001

**DAY 1: November 16, 2017**

**WORKSHOP OBJECTIVE:** To explore effective use of technologies as tools for bridging identified gaps within and between health professions education and practice in order to optimize learning, performance and access in high-, middle-, and low-income areas while ensuring the wellbeing of the formal and informal health workforce.

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| 9:00am  | <p><b>Welcome</b></p> <ul style="list-style-type: none"> <li>Malcolm Cox, IHPE Global Forum Co-Chair</li> </ul>   |
| <b>SESSION I: SETTING THE STAGE</b>                                     |   |
| 9:15am  | <p>Session 1 Objective: To encourage open sharing of ideas across professions, countries, and sectors within three broad categories designed provide the appropriate tools for training and sustaining a competent health workforce</p> <p><b>Orientation to the Workshop</b></p> <ul style="list-style-type: none"> <li>Pamela Jeffries, Workshop Chair</li> </ul> <p style="text-align: center;"><b>Opening Addresses</b></p>   |
| 9:30am  | <p>Moderator: Ruth Nemire, American Association of Colleges of Pharmacy</p> <p><b>Using social media to support health professional learning and collaboration in rural and under-served environments</b></p> <ul style="list-style-type: none"> <li>Christoph Pimmer, University of Applied Sciences and Arts, Northwestern Switzerland</li> </ul> <p><b>Technology Platforms: Questioning Outdated Models</b></p> <ul style="list-style-type: none"> <li>Catherine M. Casserly, Fellow with the Aspen Institute (via video connection)</li> </ul> <p><b>Current State of Research and Practice in Digital Learning</b></p> <ul style="list-style-type: none"> <li>George Siemens, Technology Enhanced Knowledge Research Institute, Athabasca University, Canada</li> </ul> |
| 10:45am   | <b>BREAK</b>  |
| <b>SESSION II: TECHNOLOGY FOR CUSTOMER-DRIVEN WORKFORCE DEVELOPMENT</b> |   |
|   | <p><b>Objective:</b> To explore the use of technology for enabling an improved customer experience—for the learner, consumer, patient, provider, educator, etc.—while considering potential risks that could widen disparities between populations</p>  |

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| 11:15am   | <p style="text-align: center;"><b>Technology-driven Education and Care</b></p> <p>Moderator: Javaid Sheikh, Weill Cornell Medicine-Qatar</p> <p><b>How technology enables teaching and learning</b></p> <ul style="list-style-type: none"> <li>• Katherine McKnight, Center for Evaluation and Study of Educational Equity, RTI International</li> </ul> <p><b>Customer-driven health workforce development using technology</b></p> <ul style="list-style-type: none"> <li>• Cynthia Walker, Global Medical Education, Field Training &amp; Customer Insight, CRHF, Medtronic</li> </ul> <p>Discussion/Q&amp;A: Each table talks amongst themselves and comes up with a group question for each of the speakers</p>  |
| 12:15noon | <b>LUNCH</b>  |
| 1:15pm    | <p style="text-align: center;"><b>Innovators: Rapid Fire Poster Session</b></p> <p>Moderator: Eric B. Bauman, Clinical Playground, LLC</p> <p><b>Example 1:</b> Digital Clinical Experiences, Shadow Health, Inc – Benjamin Lok &amp; Rob Kade<br/> <b>Example 2:</b> vSim® for Nursing, Laerdal Medical Corporation– Jeanie Staton &amp; Robin McCune<br/> <b>Example 3:</b> ReelDx, Transforming Healthcare Education with Real Patient Video – Bill Kelly<br/> <b>Example 4:</b> Filament Games – Dan Norton<br/> <b>Example 5:</b> KATS, a Knowledge Acquisition &amp; Testing System – Andrea Parodi<br/> <b>Example 6:</b> EVMS, a pioneer in simulation based education – Geoff Miller<br/> <b>Example 7:</b> PeriopSim: Simulation training for OR Nurses – Angela Robert</p> <p>Participants are free to wander around the room to ask individual presenters questions</p> |
| 2:45pm    | <b>BREAK</b>  |
| 3:15pm    | <p style="text-align: center;"><b>Leveraging Technology for Solving Problems</b></p> <p>Speaker/facilitator: Eric B. Bauman, Clinical Playground, LLC</p> <p>Participants at each table will talk with each other and an innovator to come up with one problem and how technology could aid the solution</p>  |
| 4:00pm    | <p style="text-align: center;"><b>Two sides to Technology: Stories from Around the Globe</b></p> <p>Moderator: Emilia Iwu, Rutgers University &amp; Jonas Nurse Scholar</p> <ul style="list-style-type: none"> <li>• Radhika Shah, Stanford Angels and Entrepreneurs (via video connection)</li> <li>• 5min table discussion for a group question or comment</li> <li>• Radhika Shah’s closing remarks</li> </ul> <p>Discussion</p>   |
| 4:45/5 pm | <b>ADJOURN</b>  |

**DAY 2: November 17, 2017**

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| <i>A continental breakfast will be available starting at 7:30am</i>  |   |
| 7:30am   | Breakfast   |
| <b>SESSION III: TECHNOLOGY INNOVATION FROM EDUCATION TO PRACTICE</b> |   |
|  | <p><b>Welcome</b></p> <ul style="list-style-type: none"> <li>• Susan Scrimshaw, IHPE Global Forum Co-Chair</li> </ul>   |
| 8:00am   | <p style="text-align: center;"><b>Innovation in e-Care Delivery</b></p> <p>Moderator: Pamela Jeffries, Workshop Chair</p> <ul style="list-style-type: none"> <li>• Diane Skiba, University of Colorado Denver</li> </ul> <p>Questions &amp; Answers</p>   |
| 8:30am   | <p style="text-align: center;"><b>Bridging the education to practice divide with technology</b></p> <p>Moderator: Christoph Pimmer, Workshop Vice-chair</p> <ul style="list-style-type: none"> <li>• Paul Worley, Flinders University, South Australia (via video connection)</li> </ul> <p>Interactive Discussion</p>  |
| 9:15am   | <b>BREAK</b>  |
| 9:45am   | <p style="text-align: center;"><b>Applying NIH Research in the Virtual Space to a Practice Environment</b></p> <p>Moderator: Micki Cuppett, Athletic Training Strategic Alliance</p> <p>Panelists:</p> <p><b>The Immersive Virtual Environment Testing Area</b></p> <ul style="list-style-type: none"> <li>• Susan Persky, National Human Genome Research Institute</li> </ul> <p><b>VR to study motor learning</b></p> <ul style="list-style-type: none"> <li>• Sunbin Song, National Institute of Neurological Disorders and Stroke</li> </ul> <p><b>Virtual preparedness training</b></p> <ul style="list-style-type: none"> <li>• Victor Cid, National Library of Medicine</li> </ul> <p>Panel Discussion</p> |
| <b>SESSION IV: THE WAY FORWARD</b>                                   |   |
| 10:45am  | <p style="text-align: center;"><b>Take Home messages</b></p> <p><b>Facilitator:</b> Pamela Jeffries, Workshop Chair</p> <p>Each table comes up with one take-home message to share</p>  |
| 11:00am  | <b>ADJOURN</b>  |