Dr. Pamela Andreatta has always been fascinated with the human brain and says she found her real passion when she moved into healthcare about 15 years ago and discovered how it combines technology, human performance, clinical medicine, design, and learning environments. Her doctoral work has been in human performance, designing environments to measure human performance as well as allowing for the development of individual and/or team based performance. As she notes, “Simulation is a composite of all those aspects. At its core, healthcare is about human performance on either side, whether that be patient or provider.”

Dr. Andreatta started out wanting to be a physician and did her undergraduate work in both Health Physics and Design. She has applied that early experience with virtual spaces and modeling and is internationally recognized as a leader and expert in competency based performance assessment, having conducted numerous studies on six continents. Her work spans from remote African villages to state-of-the-art high-technology driven tertiary care and level one trauma centers in the United States. The Founding Director (Emeritus) of Clinical Simulation Center at the University of Michigan Medical School, she is currently the president-elect and member of the Board of Directors for the Society for Simulation in Healthcare (SSH) and serves on the Board of Directors for Metrics Medicus.

Dr. Andreatta is passionate about implementing cost-effective, data-driven solutions to improve healthcare quality and safety for patients and service providers. As such her research interests include performance related outcomes associated with immersive learning environments; interaction effects among cognitive, affective, psychomotor and environmental factors during learning and performance; the development and maintenance of critical performance capabilities in clinical medicine; performance-based assessment in simulation-based and applied clinical care; and human performance factors associated with institutional and patient-related outcomes. Her primary research funding is provided by the Department of Defense and supports the investigation and development of advanced instructional practices for high-precision, clinical and surgical interventions.
**Objet 3D Printer Available For Use**

Thanks to Lori Walters, we now have an Objet30 Prime 3D printer available. Originally purchased by the School of Visual Arts & Design for Architecture students use, the printer is now located outside 306J on the third floor of Partnership II near our large format printers.

Anyone within IST is welcome to use the printer but you will need to acquire your own building materials. Please refer to the documentation that came with the unit for what materials you’ll need and how to use the printer. All of the available documentation can be found in a binder stored near the printer and, if you prefer the User Guide in pdf format, you can also contact us at graphics@ist.ucf.edu for that link.

Since this printer is located in a public space and available to everyone, please be sure to clean up the after each use and store materials in your own lab or office space.

**Coming This Fall...**

We are offering our very own NEW graduate certificate in Modeling and Simulation for Behavioral Cybersecurity.

This is a 13-credit hour program that provides students with specialized training and knowledge in modeling and simulation fundamentals, techniques, and its application towards the behavioral aspects of cybersecurity and cyber operations.

This is an interdisciplinary program, so applicants from all backgrounds will be considered! Applications are easy, online, and due by July 15, 2015.

For more information, please visit our website: www.ist.ucf.edu/grad.

---

**WELCOME**

IST would like to welcome the following new employees from May & July. If you pass them in the hall, be sure to introduce yourself!

**May 2015**

- Gavin Hall       Metil Lab
- Alexander Rudloff         Metil Lab
- Katherine Ciarlante          DHSIR
- Todd Stolz-Schroeder       E2i
- Matthew Young          Metil Lab

**June 2015**

- Lisa Wick             Business Services
- Nathan Zhang           TPL
- Ysabele Erin Barrios         Business Services
- Kurtis Palata          STTC
- Jeffrey Alvarado       E2i

---

**Got a News Item?**

Do you have a news item or project you’d like featured on our website or in our newsletter? A noteworthy project you think deserves attention? We’d like to hear about it! Are you attending or presenting at an event that we should all know about? Does someone in your group deserve accolades? These are the kind of things we want to include in the newsletter and highlight on the IST website. Email us at graphics@ist.ucf.edu with your news items.