The faculty in the Department of Educational Technology, Research and Assessment are pleased to once again offer a conference that will provide workshops and training activities to help in-service, P-12 teachers use technology to enhance learning for all learners at all levels. Participants will explore tools and strategies for integrating technology for learning and assessment in a meaningful way.

Graduate credit (ETT 592 Special Topics in Instructional Technology 1 credit) or PDH are available. See registration form for more information at: LearnIT.niu.edu or contact Judy Puskar (815-753-6085, jpuskar@niu.edu)

**Keynote Presentations**

9:15AM – 10:15AM, Learning Center

**What Gets Measured, Gets Managed: Data Analytics and Technologies for Teachers**

*Dr. Dongho Kim* University of Georgia, Athens

Data-driven decision making is now considered one of the 21st century competencies for educators. This keynote provides an overview of data analytics and its potential for K-12 classrooms. This keynote will also discuss how teachers can benefit from a variety of data analytics tools in everyday practice.

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*Enhanced Teaching and Learning: User eXperience (UX) Research and Design to Enhance Teaching and Learning*

*Dr. Fatih Demir* University of Missouri, Columbia

As a teacher, are your learning plans based on your research, insights, trends and innovative concepts or are they generic for all students? Do you fully understand the needs and expectations of each individual student? The UX Research in education will let you identify the needs of your audience.
8:00AM – 9:15AM Registration, Breakfast, & Welcome

Registration, Breakfast, and Welcome Remarks (Learning Center)

Keynote Presentation, Dr. Dongho Kim (Learning Center)

Keynote Presentation, Dr. Fatih Demir (Learning Center)

10:30AM – 12:30PM Concurrent Sessions

**Classroom Network Analysis**  
*Dr. Dongho Kim*

**LEGO Education: WeDo STEM 2.0**  
*Colleen Cannon-Ruffo*

**Telling Stories with Technology**  
*Dr. Kristin Brynteson*

**Evaluating EdTech: Evaluating, Designing, and Prototyping**  
*Dr. Andrew Tawfik*

12:30PM – 1:30PM Lunch at Learning Center

1:30PM – 3:30PM Concurrent Sessions

**Effective Use of Video Tools and Strategies in the Classroom**  
*Dr. Jason Underwood*

**LEGO Education: STEM Robotics with Mindstorms EV3**  
*Colleen Cannon-Ruffo*

**Telling Stories with Technology**  
*Dr. Kristin Brynteson*

**Teachers as UXers**  
*Dr. Fatih Demir*
**LEGO Education: WeDo STEM 2.0 (10:30AM – 12:30PM, GA215)**

Come and learn how to use educational robotics to teach and enhance the new Math and Science standards. LEGO Education WeDo 2.0 Robotics Kits are an incredibly versatile and flexible resource that engage and motivate K-4 students and are closely aligned with the NGSS Disciplinary Core Ideas and the Science and Engineering Practice Standards. This resource can also be used to support Social Emotional Learning goals. Participants will create and explore various builds and programs using the accompanying software to investigate, model and collect data. The presenter, Colleen Cannon-Ruffo, a LEGO Education Academy Certified Trainer, will share some of the lessons learned from teaching STEM rich lessons to students in the primary grades both in the classroom and in the Makerspace.

*Facilitated by Colleen Cannon-Ruffo*

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**Classroom Network Analysis (10:30AM – 12:30PM, GA212)**

Social network analysis can be used by teachers to visualize and evaluate classroom’s network. This workshop is intended to introduce important structural attributes of social networks (degree centrality, clique, etc.) and their applications. Attendees will also learn how to analyze real-world data.

*Facilitated by Dr. Dongho Kim*

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**Telling Stories with Technology (10:30AM – 12:30PM, 1:30PM – 3:30PM, GA220)**

Connect Illinois Learning Standards concepts to creative writing, art, and digital media by creating digital stories. In this session you will learn how to redefine storytelling through technology and explore new ways to build students’ multiliteracy skills. Join us on a creative journey as we collaboratively write, create artwork, and use Adobe Spark and other tools to produce a digital masterpiece. Get tips, tricks, and tools to send students’ stories out of this world.

*Facilitated by Dr. Kristin Brynteson*

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**Evaluating EdTech: Evaluating, Designing, and Prototyping (10:30AM – 12:30PM, GA222)**

The usability of an interface is an important element when deciding on a technology to integrate. It is thus important to understand some of the elements that enable an interface to be perceived as high in usability. In this session, we will review heuristics (checklists) and practice evaluation of various educational technology interfaces. In addition, we will also use the software Moqups to develop dynamic prototypes.

*Facilitated by Dr. Andrew Tawfik*
Effective Use of Video Tools and Strategies in the Classroom
(1:30PM – 3:30PM, GA212)
This workshop will feature a review of popular video tools and strategies for using video in courses to enhance connectedness, interactivity, presence, and of course, learning. Special attention will be paid to the relative value of the tools and strategies for implementation in learning management systems, flipped classroom curricula, self-paced, and online/blended environments. This discussion will also include an examination of the analytics available in various online video hosting platforms and how that can inform video design and curriculum design. Participants will be encouraged to test various approaches by creating prototype videos during the session.

Facilitated by Dr. Jason Underwood

Teachers as Uxers
(1:30PM – 3:30PM, GA222)
User Experience (UX) designers focus on the customer when teachers focus on the students as well as their parents. Their terminology might be different, but teachers and UXers share passion for serving consumers and delivering on their needs. In this session, you’ll learn the basics of UX strategies to raise your game in: achieving empathy with the target audience; what should come first in design, design trends, and creating well-designed deliverables.

Facilitated by Dr. Fatih Demir

LEGO Education: STEM Robotics with Mindstorms EV3
(1:30PM – 3:30PM, GA215)
Come and learn how to use educational robotics to teach and enhance the new Math and Science standards. LEGO Mindstorms EV3 robots are an incredibly versatile and flexible resource that engages and motivates students from 4th grade through high school. The presenter, Colleen Cannon-Ruffo, a LEGO Education Academy Certified Trainer, will share how she facilitates and guides students in Computational Thinking by designing, building and programming “SMART” robots to address challenges. Working collaboratively, participants will develop a better understanding of the Science and Engineering practices and have opportunities to practice them in hands on and practical applications.

Facilitated by Colleen Cannon-Ruffo

For session handouts, go to Learn-IT. NIU.EDU
## 2017 Learn-IT Schedule at a Glance

<table>
<thead>
<tr>
<th>Time</th>
<th>LC/08J</th>
<th>212</th>
<th>215/Chromebooks</th>
<th>220/iPad</th>
<th>222</th>
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<tbody>
<tr>
<td>08:00 - 09:00</td>
<td>Registration and Breakfast (Learning Center)</td>
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<tr>
<td>09:00 - 09:15</td>
<td>Welcome - 15 mins. (Learning Center)</td>
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<tr>
<td>09:15 - 10:15</td>
<td>Keynote - 60mins. (Learning Center Dr. Kim + Dr. Demir)</td>
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<tr>
<td>10:15 - 10:30</td>
<td>Session information, room, lunch, etc. (Learning Center)</td>
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<tr>
<td>10:30 - 11:30</td>
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<td>LEGO Education: WeDo STEM 2.0 (Cannon)</td>
<td>Telling Stories with Technology (Brynteson)</td>
<td>Evaluating EdTech: Evaluating, Designing, and Prototyping (Tawfik)</td>
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<td>11:30 - 12:30</td>
<td>Portfolio Showcase (08J/Cindy)</td>
<td>Lunch</td>
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<td></td>
<td>1. TS7 and TS8 Meet/Greet – Tawfik, Puskar, and Underwood + ETRA faculty</td>
<td>2. PhD Dissertation Meet – Hung/Kim/Demir + ETRA faculty</td>
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<td>01:30 - 02:30</td>
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<td>Teachers as UXers (Demir)</td>
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<td>02:30 - 03:30</td>
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<td>LEGO Education: STEM Robotics with Mindstorms EV3 (Cannon)</td>
<td>Telling Stories with Technology (Brynteson)</td>
<td>Teachers as UXers (Demir)</td>
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<tr>
<td>03:30 - 04:30</td>
<td>ETR720 and Ph.D. Cohort Research Roundtable (Reeves) – Open to ALL attendees</td>
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<td>Master’s Comprehensive Exam Information Session (York) and Learn-IT credit info session (Underwood)</td>
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<td>GA support</td>
<td>Ros, Heon, Fahad</td>
<td>Chris, Yan, Maureen, GSA</td>
<td>Russ, Xiao, Angie, Flora, GSA</td>
<td>Mo, Saif, Saurav, Chris,</td>
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ETRA would like to express our sincere thank you to the sponsors of our program, Bob and Mary English, dear friends of NIU’s College of Education. It is through their initial gift and continuing support this year, that this conference is made possible and accessible. The English family believes in the importance of educators having the tools they need to help all learners achieve their potential.
Mark Your Calendar!

Saturday, May 5, 2018
8:00 AM – 4:30PM