



Analytics Showcase Program
November 5th, 2021, 8:00 AM – 5:00 PM

8:00 - 10:00 AM | Plenary Sessions

8:00 - 8:15 AM | Opening Remarks

Dr. Rick Muma, *President, Wichita State University*

Dr. Sue Abdinnour, *Omer Distinguished Professor in Business, Business School*

8:15 - 9:00 | Keynote Speaker: The Journey to Becoming a Data Scientist: Valuing Different Perspectives. Rosemary Radich, *Principal Data Scientist at American Veterinary Medical Association*

9:00 - 9:50 | Deans' Panel: Data Analytics at WSU: Current State and Vision for the Collaborative Future. Dr. Larisa Genin (*Dean, Business*), Dr. Andrew Hippisley (*Dean, Liberal Arts & Sciences*), Dr. Gregory Hand (*Dean, Health*), Dr. Anthony Muscat (*Dean, Engineering*), Dr. Clay Stoldt (*Interim Dean, College of Applied Studies*), Dr. Jeremy Patterson (*Dean, College of Innovation & Design*). Moderator: Dr. Coleen Pugh (*Dean, Graduate School*)

9:50 - 10:00 AM | BREAK

10:00 – 11:55 AM | Practitioner Presentations

10:00-10:25| Wesley Healthcare: Improving the Patient Experience: Using Data to Transform Health Systems

Lowell D. Ebersole, *Chief Medical Officer at Wesley Healthcare*

10:30-10:55| Deloitte: Data Analytics in a Smart Factory

Chris Noyes, *Senior Manager, Deloitte Consulting*

11:00-11:25| Koch: Business Analytics in Action

Travis Scheopner, *Data and Analytics Talent Development Program Manager, Koch*

11:30-11:55| Airbus: Visual Management and Data Analytics in an Engineering Services Environment

Chad M. Gericke, *Head of Wichita Operations, Airbus*

NOON – 12:30 PM | LUNCH BREAK

12:30-2:55 PM | WSU Faculty Research Presentations

Room 1 | Parallel Research Presentations I

12:30 - 12:50 | Analytics and Data-Driven Decision Making at WSU

David Wright, *Chief Data Officer, WSU*

- 12:55 - 1:15 | Genomics Research and Teaching Using the K-State BeoCat Cluster**
James Beck, *Assistant Professor, Department of Biological Sciences*
- 1:20 – 1:40 | Here, there, and everywhere - How to use data to make better business decisions?** Siyu Wang, *Assistant Professor, Department of Economics*
- 1:45 - 2:05 | The Influence of Open Source Infrastructure in Data Sciences**
M. Jason Vandecreek, *Special Projects Associate, Community Engagement Institute*
- 2:10 - 2:30 | Regional Convergence**
William Miles, *H. Russell Bomhoff Professor of Economics, Department of Economics*
- 2:35 - 2:55 | Big Data in Gerrymandering**
Brian Amos, *Professor, Department of Political Science*

Room 2 | Parallel Research Presentations II

- 12:30 - 12:50 | Learning Analytics; Where are We Now and Where are We Going?**
JaeHwan Byun, *Assistant Professor, School of Education*
- 12:55 - 1:15 | A Cloud-based Monte Carlo Event Generator**
Terrance Figy, *Assistant Professor, Department of Mathematics, Statistics and Physics*
- 1:20 – 1:40 | Observing the subatomic building blocks of the universe with computer vision**
Mathew Muether, *Associate Professor, Department of Mathematics, Statistics, and Physics*
- 1:45 – 2:05 | Collect, Input, Report, Repeat...How to Use Data to Impact Patient Care**
Linda Moody, *Assistant Teaching Professor, School of Nursing*
- 2:10 - 2:30 | A Real-Time Imaging System to Assist Surgical Procedures**
Abu Asaduzzaman, *Associate Professor, Electrical Engineering and Computer Science*
- 2:35 - 2:55 | The Power of Deep Learning**
Richard Ross Gruetzemacher, *Assistant Professor, Business Analytics*

2:55– 3:05 PM | BREAK

3:05-4:55 | Tutorials

Room 1: Parallel Session I

- 3:05-3:55 | Introduction to BeoShock**
Daniel Andresen, *Professor, Kansas State University, Department of Computer Science*
- 4:00-4:55 | Using GPUs in Advancing Scientific Discoveries**
Stefan Dosa and John Bickley, *Account Managers, Nvidia*

Room 2: Parallel Session II

- 3:05-3:55 | Introduction to Analytics with Python**
Saideep Nannapaneni, *Assistant Professor, Department of Industrial, Systems, & Manufacturing Engineering, Wichita State University*
- 4:00-4:55 | Spatial Analysis and Data Science in GIS**
Mark Stewart, *Account Manager, ESRI*
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