

Great Lakes International Symposium:
Interdisciplinary Research
in Data Science
Western Michigan University
February 26, 2016

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Department of Statistics at Western Michigan University
Center for Medical Humanities and Convergent Contents
Transportation Research Center for Livable Communities



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The Center for Medical Humanities and Convergent Contents



Transportation Research Center

Location

- The Putney Lecture Hall in Fetzer Center, Western Michigan University.

Organizing Committee

- Hyunkeun Ryan Cho, *Chair*
- Magdalena Niewiadomska-Bugaj
- Jungsik Park

Sponsors

- Department of Statistics, Western Michigan University
- Center for Medical Humanities and Convergent Contents, Ajou University
- The College of Arts & Sciences, Western Michigan University
- Computer Science, Western Michigan University
- Transportation Research Center for Livable Communities, Western Michigan University

Invited Speakers

- Grace Hong, Michigan State University
- Bruce Lawrence, University of Western Ontario
- Georgiana Onicescu, Western Michigan University
- Jungsik Park, Ajou University
- Brian Park, University of Virginia
- Rajib Paul, Western Michigan University
- Diana Prieto, Western Michigan University

Charge of Local Arrangements

- Michelle Hastings
Department of Statistics
Western Michigan University
269-387-1421
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Program

8:30 - 8:40

Welcoming Remarks

Dean Keith Hearit, *Arts & Sciences, Western Michigan University*

Magdalena Bugaj, *Chair Department of Statistics,*

Western Michigan University

8:40 - 9:30

Session I

Chair: John Kapenga, *Western Michigan University*

Georgiana Onicescu, *Western Michigan University*

8:40 - 9:05

“Bayesian cure-rate survival model with spatially structured censoring”

9:05 - 9:30

Diana Prieto, *Western Michigan University*

“Surveillance systems of population health”

9:30 - 9:40

Coffee Break

9:40 - 10:55

Session II

Chair: Junseok Oh, *Western Michigan University*

Jungsik Park, *Ajou University*

9:40 - 10:05

“Grammar, Data, and Trace of Narrative”

10:05 - 10:30

Bruce Lawrence, *University of Western Ontario*

“A tale of two analyses: Text mining phraseological profile vs. coding error analysis”

10:30 - 10:55

Brian Park, *University of Virginia*

“Traffic Data: How have we managed and utilized? What are future applications?”

10:55 - 11:05

Coffee Break

11:05 - 12:10

Session III

Chair: Joshua Naranjo, *Western Michigan University*

Grace Hong, *Michigan State University*

11:05 - 11:30

“Prediction of functional status for the elderly”

11:30 - 11:55

Rajib Paul, *Western Michigan University*

“Spatial and spatio-temporal statistical methods in health policy decisions”

11:55 - 12:30

Poster Session

12:30 - 14:00

Lunch in Bernhard Center