2019 AGENDA

THURSDAY, MAY 2, 2019

12:00 PM - 01:00 PM ARRIVAL AND LUNCH

01:00 PM - 05:00 PM TECHNICAL SESSIONS

01:00 PM - 01:20 PM Introductions and Opening Remarks
• Yi Chen, PhD, Director of LRI, MTSM, NJIT
• Jack Fong, MD, Director, The Leir Retreat Center
• Reggie J. Caudill, PhD, Dean, MTSM, NJIT

01:20 PM - 02:20 PM Healthcare and Wellbeing
• Session Chair: Maria McQuade, TANENBAUM

"Leveraging Big Clinical Data to Improve Clinical Research and Precision Medicine"
• Chunhua Weng, PhD, Department of Biomedical Informatics, Columbia University

"Smart and Connected Health Enabled by Big Data and AI"
• Yi Chen, PhD, MTSM, Director of LRI, NJIT

02:20 PM - 02:40 PM COFFEE BREAK

02:40 PM - 03:40 PM Autonomous Systems and Connectedness
• Session Chair: Reggie J. Caudill, PhD, Dean, MTSM, NJIT

"Challenges to Creating a Welcoming Environment for Safe, Inclusive, Affordable, Energy Efficient, & Environmentally Responsible On-Demand 24/7 Mobility for All People; Especially the Mobility Marginalized."
• Alain Kornhauser, PhD, Dept. of Operations Research & Financial Engineering, Princeton University

"The Future of Autonomous Driving and Its Impact on Transit"
• Jerome Lutin, PhD, Retired Senior Director, New Jersey Transit

03:40 PM - 04:00 PM COFFEE BREAK
2019 AGENDA

04:00 PM - 05:00 PM  
**Risk Management and Resilience**  
- Session Chair: Jim (Junmin) Shi, PhD, *MTSM, NJIT*  
"Decision Optimization under Uncertainty"  
- Mark Squillante, PhD, *IBM Research*  
"Software Risk"  
- Iulian Neamtiu, PhD, *Department of Computer Science, NJIT*  

05:00 PM - 05:45 PM  
**RECEPTION AND NETWORKING**

05:45 PM - 06:30 PM  
**DINNER**

06:30 PM - 08:00 PM  
**BREAKOUT SESSIONS**  
**Group A: Healthcare and Wellbeing**  
Group Leaders:  
- William Kinsman, *Inovalon*  
- William V. Rapp, PhD, *MTSM, NJIT*  

**Group B: Autonomous Systems and Connectedness**  
Group Leaders:  
- Shaun Wiggins, *President and CEO, Soteryx Corp.*  
- Michael A. Ehrlich, PhD, *MTSM, NJIT*  

**Group C: Risk Management and Resilience**  
Group Leaders:  
- George Kelly, President, GJKelly Associates  
- Jim (Junmin) Shi, PhD, MTSM, NJIT  

0:800 PM  
**ADJOUN AND DEPART FOR ETHAN ALLEN HOTEL**
Leir Research Institute Planning Summit  
May 2, 12pm - May 3, 1pm, 2019  
Leir Retreat Center

2019 AGENDA

FRIDAY, MAY 3, 2019

09:00 AM - 09:30 AM  
OPENING REMARKS  
• Jack Fong, MD, Director, The Leir Retreat Center

09:30 AM - 11:00 AM  
BREAKOUT SESSIONS (Cont’d)

11:00 AM - 11:30 AM  
COFFEE BREAK

11:30 AM - 12:30 PM  
SUMMARY OF BREAKOUT SESSIONS

12:30 PM - 01:00 PM  
LUNCH AND ADJOURN

BREAKOUT SESSION GROUPS

Group A: Healthcare and Wellbeing  
Group Leaders:

• William Kinsman, Inovalon  
• William V. Rapp, PhD, MTSM, NJIT

Group Members:

• Cesar Bandera, PhD, MTSM, NJIT  
• Yi Chen, PhD, MTSM, Director of LRI, NJIT  
• Jack Fong, MD, Director, The Leir Retreat Center  
• William McDermott, Executive Director of Development, NJIT  
• Maria McQuade, TANENBAUM  
• Balavignesh (Bala) Thirumalainambi, New Jersey Innovation Institute (NJII)  
• Chunhua Weng, PhD, Dept. of Biomedical Informatics, Columbia University  
• Xinyue Ye, PhD, Dept. of Informatics, NJIT

Group B: Autonomous Systems and Connectedness  
Group Leaders:

• Shaun Wiggins, President and CEO, Soteryx Corp.  
• Michael A. Ehrlich, PhD, MTSM, NJIT
Leir Research Institute Planning Summit
May 2, 12pm - May 3, 1pm, 2019
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2019 AGENDA

Group Members:

- David Belanger, PhD, School of Business, Stevens Institute of Technology
- Reggie J. Caudill, PhD, Dean, MTSM, NJIT
- Hongya Ge, PhD, Dept. of ECE, NJIT
- Alain Kornhauser, PhD, Dept. of Operations Research & Financial Engineering, Princeton University
- Rachel Liu, PhD, Dept. of Civil & Environmental Engineering, NJIT
- Jerome Lutin, PhD, Retired Senior Director, New Jersey Transit
- Cameron Smith, TANENBAUM
- Xinyuan Tao, PhD, MTSM, NJIT
- Dantong Yu, PhD, MTSM, NJIT
- Haisu Zhang, PhD, MTSM, NJIT

Group C: Risk Management and Resilience
Group Leaders:

- George Kelly, President, GJKelly Associates
- Jim (Junmin) Shi, PhD, MTSM, NJIT

Group Members:

- John Cays, Associate Dean for Academic Affairs, College of Architecture and Design, NJIT
- Yingdong Lu, PhD, IBM Research
- Lori Nanton, Director of Collaborative Educational Partnerships and Executive Education, MTSM, NJIT
- Iulian Neamtiu, PhD, Dept. of Computer Science, NJIT
- Mark Squillante, PhD, IBM Research
- Cheickna Sylla, PhD, Associate Dean for Academics, MTSM, NJIT
- Stephen M Taylor, PhD, MTSM, NJIT
- Zhipeng Yan, PhD, Associate Dean for Research and International Programs, MTSM, NJIT
## 2019 ATTENDEES

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<td><strong>Yi Chen, PhD</strong></td>
<td>Henry J. Leir Chair in Healthcare, Director of Henry J. and Erna D. Leir Research Institute for Business, Technology, and Professor in Martin Tuchman School of Management, with joint appointments in Ying Wu College of Computing Sciences, NJIT</td>
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<td><strong>Brian Fineman, PhD</strong></td>
<td>Director of Systems Planning, Data and Forecasting, North Jersey Transportation Planning Authority</td>
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<td>Director, The Leir Retreat Center</td>
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*Thursday, May 2, 2019*

*Friday, May 3, 2019*
# Leir Research Institute Planning Summit

*May 2, 12pm - May 3, 1pm, 2019*

*Leir Retreat Center*

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