

**Midwest Optimization Meeting  
October 22, 2016  
Wells Hall C304**

**8 :00 – 8 :30      Breakfast**

**8 :30 – 8 :35      Welcoming**

**Celebration of Jon Borwein's life and work**

**8 :35 – 8 :55      Boris Mordukhovic, Wayne State University**

**8 :55 – 9 :20      Qiji Jim Zhu, Western Michigan University**

**9 :20 – 9 :30      Yuri S. Ledyaev, Western Michigan University**

**Talks**

**Chairman          Bingwu Wang**

**9 :30 – 10 :00      Qiji Jim Zhu, Western Michigan University**

*Entropy Maximization in Finance*

**10 :00 - 10 :30      Dean A. Carlson, Mathematical Reviews**

*Minimizers for Nonconvex Variational problems in the plane via  
Convex/Concave Rearrangements*

**10 :30 – 11 :00      Coffee Break**

**11 :00 – 11 :30      Yuri S. Ledyaev, Western Michigan University**

*Harmonic Analysis Meets Optimal Control: analytical representation of  
solutions of matrix Riccati equations*

**11 :30 – 12 :00      Jerome Weston, Louisiana State University**

*New Bounded Backstepping Control Designs for Time-Varying Systems  
under Converging-Input-Converging-State Conditions*

**12 :00 – 12 :30      Hassan Saoud, Lebanese University and Fulbright Fellow at  
Michigan State University**

*Semistability Theory of Nonsmooth Dynamical Systems*

**12 :30 – 2 :30      Lunch Break**

<b>Chairman</b>	<b>Dean A. Carlson</b>
<b>2 :30 – 3 :00</b>	<b>Boris Mordukhovich</b> , Wayne State University <i>Critical Multipliers in Variational Systems via Second-order Generalized Differentiation</i>
<b>3 :00 – 3 :30</b>	<b>Bingwu Wang</b> , Eastern Michigan University <i>Directional Subdifferentials and Coderivatives in Banach Spaces</i>
<b>3 :30 – 4 :00</b>	<b>Ebrahim Sarabi</b> , Miami University <i>The Newton Method for Prox-Regular Functions</i>
<b>4 :00 – 4 :30</b>	<b>Coffee Break</b>
<b>4 :30 – 5 :00</b>	<b>Dat Pham</b> , Wayne State University <i>Characterizations of full stability for parametric variational systems</i>
<b>5 :00 – 5 :30</b>	<b>Ekaterina Merkurjev</b> , Michigan State University <i>Convex variational methods for multi-class data segmentation on graphs</i>
<b>5:30-5:40</b>	<b>Closing remarks</b>