# Upper Peninsula Section - SME Fall 2015 Meeting

**October 20th, 2016**

Ramada Inn Marquette, 412 W. Washington Street
Marquette, Michigan 49930

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>7:30 – 8:30</td>
<td>Registration – Continent Breakfast</td>
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<tr>
<td>8:30 – 8:35</td>
<td><strong>Welcome - Opening Remarks</strong></td>
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| 8:35 – 9:00 | Update on the Back Forty Project: Permitting and Exploration  
Tom Quigley and Eric Quigley, Aquila Resources |
| 9:00 – 9:25 | The Discovery, Delineation, and Preliminary Economic Assessment of Eagle East,  
Bob Mahin and Steve Beach, Lundin Mining |
| 9:25 – 9:50 | Eagle Mine - Secondary stope stability or backfill quality management  
Wilhelm Greuer, PhD, Lundin Mining |
| 9:50 – 10:15 | **Coffee Break**                                     |
| 10:15 – 10:40 | Use of Functional Performance Models to Increase Plant Grinding Efficiency  
Robert E. McIvor, Chief Metallurgist – Grinding Systems, Metcom Technologies, Inc. |
Timothy Cook, Golder Associates, Inc. |
| 11:05 – 11:30 | Using Groundwater Models to Guide Decision-Making Throughout the Mine Lifecycle,  
Jeré Mohr, Katy Lindstrom, Tina Pint, and Ray Wuolo, Barr Engineering |
| 11:30 – 11:55 | Building Material Surveys: Best Practice for Filling Data Needs  
John Wise, Golder Associates, Inc. |
| 11:55 – 1:30 | **Lunch – SME Business Meeting**                       |
| 1:30 – 1:55 | The 21st Century - Natural Resource Geological Assessments  
John A. Yellich, CPG, Director Michigan Geological Survey |
| 1:55 – 2:20 | Copper and iron potential in the Kona dolomite, Marquette County  
Tom Waggoner, Consulting Geologist |
| 2:20 – 2:45 | Basalt Fiber Reinforced Rebar  
Erik Kiilunen, Neuvokas Corporation, Ahmeek, Michigan |
| 2:45 – 3:15 | **Coffee Break**                                     |
| 3:15 – 3:40 | Dewatering of fine mineral tailings  
Lei Pan, PhD, Michigan Tech Chemical Engineering Department. |
| 3:40 – 4:05 | Volume and grade uncertainty modeling of a copper mine  
Amol Paithankar, Graduate Student, Mining Engineering, Michigan Tech |
| 4:05 – 4:30 | SME Henry Krumb Lecture: High Strain Mechanics and Its Importance in Crushing and Grinding Technology  
Stan Vitton, PE PhD, Michigan Tech |
| 4:30 – 4:45 | **Closing Remarks**                                  |
Thursday, October 20, 2016
Upper Peninsula-SME Technical Program:

<table>
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<tr>
<th>Registration Cost:</th>
<th>SME Members:</th>
<th>$60</th>
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<tr>
<td></td>
<td>Non-SME Members</td>
<td>$65</td>
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<td></td>
<td>$70 Door</td>
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<tr>
<td>Students:</td>
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<td>SME Senior Member:</td>
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<td>Non-SME Member Senior:</td>
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Events Registration
You can register for the technical program at the following web registration sites:
http://community.smenet.org/events/simple-registration?CalendarEventKey=f6e0b5cf-b94c-4150-b7da-9ce4dd1b5e2d

*Business Meeting Agenda:

1. Secretary's Report
2. Treasury Report
3. Mine Fund Report - student scholarships
4. Quincey Mine Hoist Association Report
5. Student SME Chapter Report
6. Other items:
7. Election of next year’s officers
   Chair
   Vice-chair
   Secretary
   Treasurer

Questions contact: Snehamoy Chatterjee, SME-UP Secretary
schatte1@mtu.edu
or
Stan Vitton, SME-UP Vice-chair
vitton@mtu.edu