

**2018 Upper Peninsula SME Section Fall Meeting & Technical Conference
October 11, 2018**

Holiday Inn - Marquette, 1951 US Highway 41 W, Marquette, MI, 49855

8:00 – 8:45	<i>Registration and Breakfast</i>
8:45 – 9:00	Introduction and opening remarks
9:00 – 9:30	Eagle Mine Safety Safe work is not done by accident, Ken Groves, Cementation USA Inc., Eagle Project
9:30 – 10:00	Groundwater and stream discharge data in Marquette county watersheds related to climatically driven oscillations in regional water cycle, Dan Wiitala, North Jackson Company
10:00– 10:30	Review of Enbridge Pipeline Company's Option for replacing their Line # 5 under Mackinac Straits, Stanly Vitton, Civil and Environmental Engineering Dept., Michigan Tech
10:30 – 10:45	Coffee Break
10:45 – 11:15	Exploration and Development of Lundin's Eagle Mine East Deposit Bob Mahin, Chief Geologist, Eagle Mine
11:15 – 11:45	Iron ore production 1845-2018, Marquette Range, Lake Superior District, Tom Wagner, Retired Chief Geologist of Cleveland-Cliffs
11:45 – 12:15	Forgotten or Unknown: The Story of Michigan's Copper Mining Industry Tom Wright, Quincy Mine Hoist Association
12:15 – 1:00	Lunch
1:00 – 1:45	SME Annual Meeting and Mine Fund Scholarship Awards
1:45 – 2:15	Michigan Tech SME Student Chapter Update Shawn vanDoorn, Undergraduate Student, Michigan Tech
2:15 – 2:45	UAV Implementation Chris Nelms, Account Manager – Mining & UAV, RDO Integrated Controls
2:45 – 3:15	Use of Fluid Inclusions to Characterize Hydrothermal Fluid History of Native Copper Deposits of the Keweenaw Peninsula, Michigan David Kelly, Graduate Student, Michigan Tech
3:15 – 3:30	Coffee Break
3:30 – 4:00	Tailings Liquefaction – What Owners/Operators Need to Know Ivan A. Contreras, Barr
4:00 – 4:30	Improving the Geoscience Workforce through Educational and Professional Opportunities Nathan Manser, Geological and Mining Engineering and Sciences Dept. Michigan Tech
4:30 – 4:45	Closing Remarks