

2021 ILSG Technical Sessions-Draft (circa 4/27)

TECHNICAL SESSION	Date	Time (EDT)		Presentation Title	Authors
		Start	End		
1	Tuesday, May 11th	9:45	10:00	Intro and instructions	Pete Hollings, Mark Smyk and Mark Jirsa (Chairs)
		10:00	10:20	Comparisons of Archean Iron Formations deposited at Shallow vs Deeper Depths	BIELSKI, Paul and FRALICK, Philip
		10:20	10:40	The deformation and alteration of granitoid plutons in the Wabigoon subprovince	DROVER, Bailey, HILL, Mary Louise, and ZUREVINSKI, Shannon
		10:40	11:00	Geochemistry and Age of Archean Volcaniclastic and Mafic Intrusive Rocks, Georgia Lake Area, Quetico Subprovince, Northwestern Ontario	DUGUET, Manuel
		11:00	11:20	Chemostratigraphy of the western Schreiber-Hemlo Greenstone Belt, Results and Regional Implications	MAGNUS, Seamus
		11:20	11:40	Environmental Control of Seawater Geochemistry in a Mesoarchean Peritidal System, Woman Lake, Superior Province	RAMSAY, Brittany, FRALICK, Philip, LALONDE, Stefan, BIELSKI, Paul, and PATRY, Laureline
		11:40	12:00	The provenance, depositional environment and metallogenic implications of the Ament Bay Metasedimentary Assemblage, Sturgeon Lake Greenstone Belt, Northwest Ontario	TAMOSAUSKAS, Michael, LODGE, Robert, MA, Chong, HAUGAARD, Rasmus, and SHERLOCK, Ross
		12:00	12:20	Three-dimensional geologic mapping of Precambrian rocks in Minnesota: The creation of "removeable" geologic layers using gravity and magnetic data interpretation	CHANDLER V. W. and JIRSA M.A
		12:20	12:40	Negative Carbon Dioxide Emissions through Enhanced Silicate Weathering and the Lake Superior Region	PLANAVSKY, Noah
TECHNICAL SESSION	Date	Time (EDT)		Presentation Title	Authors
		Start	End		
2	Friday, May 14th	9:45	10:00	Intro and instructions	Pete Hollings, Mark Smyk and Mark Jirsa (Chairs)
		10:00	10:20	Geophysical insights into Paleoproterozoic tectonics along the southern margin of the Superior Province, central Upper Peninsula, Michigan	DRENTH, Benjamin J., CANNON, William F., SCHULZ, Klaus J., and AYUSO, Robert A.
		10:20	10:40	Archean Orogenesis to Proterozoic Rifting: A structural history of Pass Lake, Thunder Bay, Ontario	LANDMAN, Megan and HILL, Mary Louise
		10:40	11:00	Proterozoic Geology of the Schreiber-Terrace Bay Area	MAGNUS, Seamus
		11:00	11:20	Preliminary pXRF results from Precambrian rocks of northern Minnesota	PRUE, Ann Marie and BRENGMAN, Latisha
		11:20	11:40	The paleogeography of Laurentia in its early years: new constraints from the Paleoproterozoic East-Central Minnesota batholith	SWANSON-HYSELL, Nicholas L., AVERY, Margaret S., ZHANG, Yiming, HODGIN, Eben B., and BOERBOOM, Terrence, J.
		11:40	12:00	The Critical Mineral potential of carbonatite and alkalic complexes in Ontario	EASTON, Robert Michael
		12:00	12:20	Critical Minerals Exploration and Development Potential in Ontario	PUUMALA, Mark and CUNDARI, Robert
		12:20	12:40	Critical Mineral Potential on the North Shore of Lake Superior; Elements to 'Structure' our future	CUNDARI, Robert, PUUMALA, Mark, METSARANTA, Riku and CAMPBELL, Dorothy
POSTER SESSION	Date	Time (EDT)		Poster Title	Authors
		Start	End		
	Friday, May 14th	14:00	14:05	5 minute time slots for each poster author to give brief introduction or summary Introduction	
		14:05	14:10	Reconstructing the hydration and carbonation history of the Presque Isle peridotite, Marquette Michigan: Insights into mechanisms of carbon sequestration in ultramafic rocks	GALLAGHER, Benjamin and BJORNERUD, Marcia
		14:10	14:15	Characterization of Hydrothermal Alteration and Sulfide Ores at the Lynne Zn-Cu-Pb Deposit, Oneida Co. WI.	LEMKE, Tara C., WEBER, Evan M., and LODGE, Robert W.D.
		14:15	14:20	U-Pb geochronology and zircon trace-element geochemistry from granitoid plutons in the Neoproterozoic Sturgeon Lake greenstone belt, Ontario, Canada	NELSON, Trevor J.1, JOHNSON, Rory M.1, LODGE, Robert W.D.1, MA, Chong2, MARSH, Jeffery H.2
		14:20	14:25	3-D Modeling of the Duluth Complex from geophysical data	PETERSON, D.E., BEDROSIAN, P.A. and FINN, C.A.
		14:25	14:30	A newly discovered orbicular occurrence within the Good Hope carbonatite, north of Marathon, Ontario	PRICE, Rebecca, ZUREVINSKI, Shannon, and MITCHELL, Roger H.
		14:30	14:35	Geochemistry and Petrography of Volcanic and Intrusive Rocks Hosting the Lynne Cu-Zn-Pb Deposit, Oneida County, WI	SHORT, Shelby R., GLODOWSKI, Lillian N., and LODGE, Robert W.D
		14:35	14:40	Geologic mapping identifies bedrock folds that may be significant for increased probability of arsenic detection in water wells	STEWART, Esther K.1, FITZPATRICK, Billy 1, and STEWART, Eric D.1
		14:40	15:30	Breakout room discussions with poster presenters	
TECHNICAL SESSION	Date	Time (EDT)		Presentation Title	Authors
		Start	End		
3	Tuesday, May 18th	9:45	10:00	Intro and instructions	Pete Hollings, Mark Smyk and Mark Jirsa (Chairs)
		10:00	10:20	Geophysical mapping of the eastern arm of the Midcontinent Rift in Upper Michigan	BEDROSIAN, Paul A, PACE, Max, and ZAMUDIO, Katrina D.
		10:20	10:40	Structural Analysis and Interpretation of Deformation along the Keweenaw Fault System West of Lake Gratiot, Keweenaw County, Michigan	MUELLER, S.A., DEGRAFF, J.M., and LIZZADRO-MCPHERSON D.J.
		10:40	11:00	Tracing redox pathways of the Mesoproterozoic Copper Harbour Conglomerate, Michigan	CRAIK, Nicholas and FRALICK, Philip

11:00	11:20	Evolved seawater as the source of salinity for metamorphic-dominated ore-forming hydrothermal fluids of the Keweenaw Peninsula native copper district, Michigan	BORNHORST, Theodore J.
11:20	11:40	Integration of geophysical evidence indicates that anorthosite composes a significant portion of Grand Marais ridge, an inferred basement high in western Lake Superior	GRAUCH, V.J.S. and HELLER, S.J
11:40	12:00	Possible implications of a non-Archean Grand Marais Ridge, western Lake Superior	WOODRUFF, L.G. and GRAUCH, V.J.S.
12:00	12:20	Final inversion of the Midcontinent Rift during the Rigolet Phase of the Grenvillian orogeny	HODGIN, Eben B., SWANSON-HYSELL, Nicholas L., STOLPER, Daniel A., TURNER, Andrew C., DeGRAFF, James M., KYLANDER-CLARK, Andrew, and SCHMITZ, Mark D.

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4	Friday, May 21st	9:45	10:00	Intro and instructions	Pete Hollings, Mark Smyk and Mark Jirsa (Chairs)
		10:00	10:20	Mineralizing processes in the Current Lake and Escape Lake conduit-type PGE–Cu–Ni deposits of the Thunder Bay North igneous complex, northwestern Ontario, Canada	BRZOZOWSKI, Matthew, HOLLINGS, Peter, MACTAVISH, Allan, EVANS–LAMSWOOD, Dawn, DROST, Abraham, and WILTON, Derek
		10:20	10:40	A Practical Approach to Using Incompatible Elements to Define Geochemical Correlation and a Common Mantle Source: Example Crystal Lake Gabbro and the Duluth Complex	GOOD, David
		10:40	11:00	Identifying the genesis of Fe-Ti oxide- and sulfide-bearing ultramafic intrusions in the Duluth Complex through sulfide geochemical analysis	LACHANCE, Kyle, KLEINSASSER, Jackie, SIMON, Adam, PETERSON, Dean, and HUDAK, George
		11:00	11:20	Textures and geochemistry of ilmenite and titanomagnetite in Fe-Ti oxide-bearing ultramafic intrusions of the Western Margin of the Duluth Complex, Minnesota	KLEINSASSER, Jackie, SIMON, Adam, PETERSON, Dean, and HUDAK, George
		11:20	11:40	Olivine Geochemistry from Fe-Ti Oxide-Bearing Ultramafic Intrusions in the Duluth Complex, MN	KATTEMALAVADI, Amartya, KLEINSASSER, Jackie, SIMON, Adam, PETERSON, Dean, and HUDAK, George
		11:40	12:00	Availability of Publicly Accessible Historical Mineral Exploration Airborne Geophysical Survey Data and Map Images at Minnesota DNR	DAHL, David, SAARI, Stacy, and LEE, Thomas
		12:00	12:20	Island of Hawaii Field Trip, February 11-21, 2020	MACTAVISH, Allan, HINZ, Peter, ARTHUR, Mary Kay, CHATAWAY, Robert, EDBERG, Jim, ERICKSON, Tom, FOX, Steve, FURLONG, Joan, GERLICH, Jim, SMITH, Lindsay, and WILHELM, David
		12:20	12:30	Closing Remarks	Pete Hollings and Mark Smyk (Chairs)

AWARDS EVENING	Date	Time (EDT)		Event ("pseudo-banquet")	Authors
		Start	End		
	Friday, May 21st	19:00		Words of Welcome (Chairs) ILSG update Goldich Medal presentation to Allan MacTavish (citation by Mark Puumala) ILSG 2022 plans Honoring the Pioneers of Lake Superior Geology--Newton Horace Winchell (by Jim Miller and Sue Leaf)	
		20:30		Closing remarks	