

Day 1 (Monday, September, 9)

	8:30-9:00	Registration	
Welcome Remarks	Opening Remarks		
	9:00-9:10	Rector Universidad Católica Boliviana	
	9:10-9:18	Embajador Reino Unido Sr. Jeff Glekin	
	9:18-9:25	Yacimientos de Litio Bolivianos YLB representative	
	9:25-9:30	Organizing committee IWLIME 2019	
First day: Energy storage materials and use of by products			
Chairman Dr. Svetlana Ushak			
Plenary Session	9:30-10:30	Active and Passive Applications of PCM for Energy Storage in Buildings	Prof. Mohammed Farid University of Auckland, New Zealand
	10:30-11:00	Development of low cost industrial minerals as seasonal thermal energy storage materials	Prof. Svetlana Ushak CELiMIN, Universidad de Antofagasta, Chile
Oral Session	11:00-11:20	Coffee Break	
Chairman: Dr. Marcos Lujan			
Oral Sessions	11:20-11:50	Optimization of a solar air conditioning system with thermal energy storage based on exergy analysis	Dr. Marcos Lujan Universidad Católica Boliviana "San Pablo", Bolivia
	11:50-12:20	Challenges on synthesis of shape stabilized – storage materials based on mining wastes by sol-gel technologies. New opportunities for Bischofite and Carnallite	Dr. Yanio Milian CELiMIN - Universidad de Antofagasta, Chile
	12:20-12:35	BET Model-based prediction and experimental verification of eutectic mixtures as PCM	Nicole Reinaga CELiMIN - Universidad de Antofagasta, Chile
12:35-14:00 Lunch Break + Tea Time			
Chairman: Dr. Yanio Milian			
Oral Sessions	14:00-14:15	Simulation software validation for lightweight building at North of Chile	Islaman Villalobos CELiMIN, Chile- INSPIRES, España
	14:15-14:30	Inorganic salts hydrate mixtures as potential PCM for the implementation of a solar-assisted air conditioning system	Mariela Vega CELiMIN - Universidad de Antofagasta, Chile
Oral Sessions	14:30-14:45	Experimental evaluation of thermal behavior of improved eutectic mixture based on nitrate salts in a commercial heat exchanger	Rodrigo Martínez CELiMIN, Chile- INSPIRES, España

	14:45-16:05	An Enzymatic approach for fertilizer production based on Lithium Exploitation By- Products	Hugo Movarec Saravia Yacimientos de Litio Bolivianos YLB
	16:05-16:30	Coffee Break	
Lithium Processes			
Chairman: Dr Lindley Maxwell			
Oral Sessions	16:30-16:50	Production of lithium carbonate battery grade from crystals with lithium sulphate contents	Fidel Usnayo Yujra Yacimientos de Litio Bolivianos YLB
	16:50-17:10	Obtaining potassium salts and salts of lithium sulphate from brine with high sulphate and magnesium contents	Waldo Encinas Quisbert Yacimientos de Litio Bolivianos YLB
	17:10-17:30	Obtaining of Lithium hydroxide monohydrated battery degree from bolivian lithium carbonate	Jorge Chambi Yacimientos de Litio Bolivianos YLB
	18:00-19:00	Reception by British Embassy	Posters Session.

Day 2 (Tuesday, September, 10)			
Second day: Lithium ion batteries and materials			
Chairman: Dr. Saúl Cabrera			
Plenary Session	9:00-10:00	Solving the technological challenges of lithium industrialization	Dr. Mario Grágeda CELiMIN-Universidad de Antofagasta, Chile
	10:00-10:30	Cathodic materials for lithium ion batteries in Pv / Lib systems for highlands of the bolivian altiplano rural	Dr. Saúl Cabrera Universidad Mayor de San Andrés, Bolivia
Oral Sessions	10:30-11:00	Fast charging anode materials with enhanced low temperature performance	Dr. Sai Shivareddy Talga Tech. Universidad de Cambridge
	11:00-11:15	Study of the synthesis kinetics of $\text{Li}_{1+y}\text{Mg}_x\text{Mn}_{2-x}\text{O}_4$ spinels as cathodic materials for cathode lithium-ion battery	Aleksei Llusco CELiMIN-Universidad de Antofagasta, Chile
	11:15-11:30	Coffee Break	
Chairman: Dr. Helena Braga			
Oral Sessions	11:30-12:00	Synthesis and Performance of active materials for Lithium	Dr. Arnaldo Visintin Universidad de La Plata Argentina, Argentina
	12:00- 12:20	Evolution and recent approaches of safety, charging and handling systems for lithium ion battery cells	Dr. Cristian Velarde WinayTEC, Bolivia
	12:20-12:35	Blended of NMC-LMO cathode materials for application in electrodes	Elvis Ochoa Choque Yacimientos de Litio Bolivianos YLB
	12:35-12:50	Synthesis and Characterization of LiFePO_4 in solid state route with Bolivian Li_2CO_3 for the elaboration of lithium ion batteries	Edgar Román Universidad Mayor de San Simón Bolivia
	12:50-14:00	Lunch Break + Tea Time	
Chairman: Dr. Joseba Oribe			
Plenary Session	14:00-15:00	Thermal Harvesting and Electrical Storage in Li/Na cells	Dra. Helena Braga University of Porto, Portugal University of Texas, USA

Oral Sessions	15:00-15:30	Solid Electrolyte based in a Metal - Organic Frameworks	Dr. Lindley Maxwell CELiMIN-Universidad de Antofagasta, Chile
	15:30-15:50	Libob obtained from LiOH as electrolyte salt for lithium-ion batteries based on $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$	Marcelo Gonzales Saique Yacimientos de Litio Bolivianos YLB
	15:50-16:10	Coffee Break	
Chairman: Dr. Sai Shivareddy			
Oral Session	16:10-16:30	Separator coatings as a strategy to improve the cycling performances of lithium batteries	Dra. María Gamba INIFTA, Argentina
	16:30-16:50	Vanadium oxide matrices for lithium intercalation. From bulk structures to thin films	Dr. Joseba Oribe Universidad de Chile, Chile
	16:50-17:10	Synthesis of the LiFePO_4 cathodic material by the "spray drying" route for lithium-ion batteries from Li_2CO_3	Reina Flores Huayllas Yacimientos de Litio Bolivianos YLB
	17:10-17:30	Study of crystallization rate in the production of high purity $\text{LiOH}\cdot\text{H}_2\text{O}$	Msc. Adrián Quispe CELiMIN-Universidad de Antofagasta, Chile
	17:30-18:30	Posters Session	

Day 3 (Wednesday, September, 11)

Third day: Energy storage and Lithium obtaining processes			
Chairman: Dr. Mario Grágeda			
Plenary Session	9:00-10:00	New methods for studying battery function and degradation	Prof. Clare Grey Cambridge University, UK
	10:00-10:30	Models of funding for research and battery industry	Jaqui Murray Faraday Battery Challenge
Oral Sessions	10:30-10:50	Study for producing a lithium chloride brine concentrated in and potassium sulphate salts	Claudia Limachi - Josué Catari Ramos Yacimientos de Litio Bolivianos YLB
	10:50-11:10	Brine evaporation study after lithium sulfate stage in Uyuni salt flats	Josué Catari Ramos Yacimientos de Litio Bolivianos YLB
	11:10-11:30	Coffee Break	
Chairman: Dr. Cristian Velarde			
Oral Sessions	11:30-11:50	Lithium magnesium brine treatment at high temperatures to remove sulfates	Claudia Limachi - Marilyn Catacora Yacimientos de Litio Bolivianos YLB
	11:50-12:10	Liming of lithium brine with high magnesium concentrations	Ana Gabriela Altamirano Plata Yacimientos de Litio Bolivianos YLB
	12:10-12:30	Determination and analysis of the technical feasibility of lithium hydroxide production from brines using bipolar membranes electro dialysis	Msc. Alonso González CELiMIN-Universidad de Antofagasta, Chile
12:30-14:00	Lunch Break + Tea Time		
Chairman: Dr. Jaime Antezana			
Oral Sessions	14:00-14:30	Sustainable development and mineral governance of lithium brines requires resource quantification	Dra. Evi Petavratzi British Geological Survey (BGS), UK
	14:30-15:00	Uncertainty analysis in the supply of Electric vehicles within the lithium supply chain	Daniel Calisaya Universidad de Antofagasta, Chile. Lappeenranta University of Technology, Finland.
	15:00-15:30	Petrology, mineralogy and chronology of the sedimentary fill of the salar of Uyuni (Bolivia) from the e-036 borehole	Nelson Román Carvajal Velasco Yacimientos de Litio Bolivianos YLB
	15:30-16:00	The sudamerican Lithium: strategic resource and technological vinculation	Federico Nacif Universidad de Quilmes, Argentina
Closure			