INTERNATIONAL WORKSHOP-CUM-CONFERENCE ON MATHEMATICS EDUCATION 2021

15 - 20 NOVEMBER 2021

IWCME 2021

ORGANIZED JOINTLY BY
MIZORAM UNIVERSITY, INDIA
&
UNIVERSITY OF GUADALAJARA, MEXICO

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PROGRAMME SCHEDULE

INAUGURAL FUNCTION 15TH NOVEMBER, 2021 AT 18:00 - 19:00 IST

Date	Time (IST)	Speaker	Topic	Session Chair
15.11.2021	19:00 – 19:45	Keynote address: **Prof. Berinderjeet Kaur,** NIE, Singapore	Sense making in the mathematics class	**Prof. R. C. Tiwari,** Mizoram University
	19:45-20:00	**Prof. Irina Lyublinskaya,** Teachers College Columbia University	Transforming STEM teaching to virtual environments: Lessons learned during the COVID-19 pandemic	
	20:00-20:15	**Shereen El Bedewy & Zsolt Lavicza**, Johannes Kepler University Linz	Taj Mahal as an Architectural, Mathematical, Cultural and Historical Reason for a STEAM practice	

Date	Time (IST)	Speaker	Topic	Session Chair
16.11.2021	18:00 – 18:45	Keynote address: **Prof. Zsolt Lavicza,** Johannes Kepler University, Austria & **Dr. Kristof Fenyvesi,** Finnish Institute for Educational Research University of Jyväskylä	Creatives, Innovation and Motivation is STEAM Learning: Hands on toolkits and GeoGebra in the Classroom and Beyond	**Prof. Surajit Borkotokey**, Dibrugarh University, India
	18:45 – 19:30	**Prof. Mónica Mon roy Kuhn,** Universidad de las Américas Puebla (UDLAP), Mexico	Formative Assessment during Modeling Activities	
	19:30 - 19:45	**Cary S. Cerdan,** Teacher III, Medroso-Mendoza National High School, Calbanga Community College, Philippines	Relational Thinking: Students' Rational Number Proficiency and their Achievement in Algebra	
	19:45 – 20:00	**Dr. Houssam S. Kasti,** Qatar University, Doha-Qatar	The Ladder and Slide framework for visualizing the integration of GeoGebra by mathematics teachers in their classes	**Luis Montero Moguel**, University of Texas at San Antonio, USA
	20:00 – 20:15	**Pham Sy Nam**[(1)], **Le Hong Thai**[(2)] [(1)] Faculty of Mathematics and Applications, Saigon University, psnam@sgu.edu.vn [(2)] Le Quy Don High School, Long An province, lehongthai79@gmail.com	Using dynamic modelling of the area of the cone in GeoGebra towards supporting STEM education	
	20:15 - 20:30	**Prof. Tarini Kumar Dutta,** Assam Don Bosco University, India	Wonderful Applications of Mathematics in the Natural Workd and Human Anatomy	

Date	Time (IST)	Speaker	Topic	Session Chair
17.11.2021	18:00 – 18:45	Keynote address: **Dr. Guadalupe Carmona Domínguez,** University of Texas at San Antonio, USA	Eliciting Mathematical Modeling as an opportunity to transform learning and teaching in the classroom	**Dra. Verónica Vargas Alejo,** Matemática Educativa/CUCEI , Universidad de Guadalajara, Mexico
	18:45 – 19:30	**Cynthia Lima &** **Luis E. Montero-Mogue**l, University of Texas at San Antonio, USA	Using mathematical modeling to make math accessible in teacher preparation	
	19:30 – 19:45	**Ms. Madhumitha Mohan,** SRM Institute of Science and Technology, Ramapuram, Chennai, India	Modeling of Smart Hospital with Hypergraph Model	
	19:45 – 20:00	**José Manuel Dos Santos[1], Astrigilda Silveira[2], Zsolt Lavicza[3]** [1]Centre for Research and Innovation in Education (inED), Porto Polytechnic School of Education, Portugal, santosdossantos@ese.ipp.pt [2]Cape Verde University, Cape Verde, astrigilda.silveira@docente.unicv.edu.cv [3]Johannes Kepler University, Linz, Austria, zsolt.lavicza@jku.at	GeoGebra and STEAM in the training of Cape Verdean teachers	**Dr. Carlos Arturo Soto-Campos**, Área Académica de Matemáticas y Física, Autonomous University of the State of Hidalgo, Mexico
	20:00 – 20:15	**Dr. Carlos Valenzuela-García,** University of Guadalajara**,** Mexico	Teaching fractions: a shared challenge	
	20:15 - 20:30	**Lalitha Pattabiraman,** Assistant Professor, Department of Mathematics, SRM University, Chennai, India	Modeling of Communication Networks by Unisum Labeling of Hydra Hexafons	

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18.11.2021	18:00 – 18:45	Keynote address: **Dr. Aaron Reyes-Rodríguez, Dr. Marcos Campos-Nava**, **Dr. Carlos Arturo Soto-Campos,** Universidad Autónoma del Estado de Hidalgo	Enhancing secondary school students' self confidence for doing math with Geogebra	**Prof. Sundarajan Munian,** Department of Mathematics and Computer Science, Mizoram University, India
	18:45 – 19:30	**Luis E. Montero-Moguel,** University of Texas at San Antonio **Verónica Vargas-Alejo**, University of Guadalajara **Guadalupe Carmona**, University of Texas at San Antonio	Modeling activities to develop mathematical knowledge	
	19:30 – 19:45	**José Manuel Dos Santos[(1)], Astrigilda Silveira[(2)], Zsolt Lavicza[(3)]** [(1)]Centre for Research and Innovation in Education (inED), Porto Polytechnic School of Education, santosdossantos@ese.ipp.pt [(2)]Cape Verde University, astrigilda.silveira@docente.unicv.edu.cv [(3)]Johannes Kepler University Linz, zsolt.lavicza@jku.at	GeoGebra Automatic Feedback Tasks in training mathematics teachers	
	19:45 – 20:00	**Dr. Humberto Gutierrez-Pulido, Luis Martin Ponce-Vega & Dra. Martha Elena Aguiar-Barrera,** University of Guadalajara	Statistical literacy through model eliciting activities: a case about quality control	

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19.11.2021	18:00 – 18:45	Keynote address: **Prof. Surajit Borkotokey**, Dibrugarh University, India	Mathematics: A New Pedagogical Perspective	**Dr. Guadalupe Carmona Domínguez,** University of Texas at San Antonio, USA
	18:45 – 19:30	**Mr. L. Thangmawia,** Mizoram University, India	Mathematics Education in Mizoram: An overview	
	19:30 – 19:45	**Dra. Verónica Vargas-Alejo,** University of Guadalajara **Luis E. Montero-Moguel**, University of Texas at San Antonio	Modeling in Mathematics Teacher Education Course	
	9:45 – 20:00	**Carlos Flores-Gasca & Dra. Verónica Vargas-Alejo,** University of Guadalajara	Solving an MEA and SimCalc Mathworlds activities to support mathematical knowledge	
20.11.2021	18:00 – 19:00	**Panel discussion**		
	19:00 – 20:00	**Velidictory function**		