



ICEM-5 Programme

Version 01.07.2014

PROGRAMME OVERVIEW, 7 th – 11 th July 2014					
Time	Monday, 07th	Tuesday, 08th	Wednesday, 09th	Thursday, 10th	Friday, 11th
09:00 - 09:45	Registration FCNM patio	Plenary 2 FCNM Hall 1	Plenary 6 FCNM Hall 1	Plenary 7 FCNM Hall 1	Plenary 10 FCNM Hall 1
09:45 - 10:30		Plenary 3 FCNM Hall 1	Parallel Sessions Rooms 25 and 26	Plenary 8 FCNM Hall 1	Plenary 11 FCNM Hall 1
Coffee/Tea Breack					
11:00 - 12:30	Registration FCNM patio	Parallel Sessions Rooms 25 and 26	Parallel Sessions Rooms 25 and 26	Parallel Sessions Rooms 25 and 26	Parallel Sessions Rooms 25 and 26
Lunch					
14:00 - 14:45	Opening Ceremony Plenary 1 FCNM Hall 1	Plenary 4 FCNM Hall 1	Free Afternoon	Plenary 9 FCNM Hall 1	Plenary 12 Closing Ceremony FCNM Hall 1
14:45 - 15:30		Plenary 5 FCNM Hall 1		Parallel Sessions Rooms 25 and 26	
15:30 - 17:00		Parallel Sessions Rooms 25 and 26		Parallel Sessions Rooms 25 and 26	
18:30 – 20:30		Wecome Reception		Cultural Evening	

LP – Long Paper/Comunicação Longa (45 min) **SP** – Short Paper/Comunicação Curta (30 min) **SS** – Snapshot/Sessão Instântanea (15 min)

DETAILED PROGRAMME		
Day 1: Monday, 07th July		
Time	FCNM Hall 1	
09:00 - 10:30	Registration	
Coffee/Tea Breack		
11:00 - 12:30	Registration	
Lunch		
Opening Ceremony		Master of Ceremony
14:00 - 14:05	- Welcome song	The chair of the Local Organising Committee Marcos Cherinda
14:05 - 14:15	- Welcome words by the Rector of the Universidade Pedagógica - Moçambique <i>Prof. Rogério José Uthui</i>	
14:15 - 14:45	- Opening speech by the President of the International Study Group on Ethnomathematics <i>Professor Paulus Gerdes, Mozambique</i>	
14:45 - 15:45	- Plenary 1: Opening Lecturer <i>Making ethnomathematics visible through culturally responsive pedagogy and funds of knowledge</i> <i>Prof. Swapna Mukhopadhyay, Portland State University, USA</i>	
15:45 - 16:00	- Congress information by the chair of the Local Organising Committee	
16:00 - 16:15	- Cultural performance by UP-Group	

Day 2: Tuesday, 08th July		
Time	FCNM Hall 1	Chairperson
09:00 - 09:45	Plenary 2 <i>Bringing ethnomathematics home: an ethnomathematics assignment</i> <i>Lawrence Shirley, Towson University, Towson, USA</i>	
09:45 - 10:30	Plenary 3 <i>African history as a source of inspiration for the discovery of new mathematical ideas</i> <i>Paulus Gerdes, Mozambique</i>	
Coffee/Tea Breack		

	Room 25, chairperson:	Room 26, chairperson:
11:00 - 11:30	SP1: Re-introducing Ethnomathematical Practices into the Classroom: Linguistic Issues <i>Tony Trinick, Colleen McMurphy, Bruce Taplin</i>	SP2: A geometria na atividade de marcenaria, uma visão etnomatemática <i>Dálvaro Meira</i>
11:30 - 12:00	SP3: A etnomatemática dialogando com a ecologia de saberes na prática de artesanato de Barro Branco <i>Alcione Fernandes</i>	SP4: Trilho da Ciência: um percurso de Educação Científica na ilha do Príncipe <i>Joana Latas, Ana Rodrigues</i>
12:00 - 12:30	SP5: Os saberes matemáticos dos caçadores Nyanekankhumbi do sul de Angola, visão etnomatemática <i>Domingos Dias, Pedro Palhares, Cecília Costa</i>	SP6: Gestión de aula para una clase de matemáticas culturalmente inclusiva. <i>Pilar Peña-Rincón</i>
Lunch		
Time	FCNM Hall 1	Chairperson
14:00 - 14:45	Plenary 4 Obstáculos para integrar la etnomatemática en el aula de clase de matemáticas <i>Hilbert Blanco-Álvarez, Universidad de Granada, Spain</i>	
14:45 - 15:30	Plenary 5 Os Conhecimentos Êmico (Local), Ético (Global) e Dialógico (Glocal) nas Pesquisas em Etnomodelagem <i>Milton Rosa & Daniel Orey, Universidade Federal de Ouro Preto, Brazil</i>	
	Room 25, chairperson:	Room 26, chairperson:
15:30 - 16:00	SP7: Khipu UR19: Inca Measurements of the Moon's Diameter and its Distance from the Earth <i>Alberto Rodriguez</i>	SP8: El sistema de comunicación numérico gestual de los calibradores del tiempo de las busetas de transporte urbano de la Ciudad de Cali, Colombia <i>Armando Araújo</i>
16:00 - 16:30	SP9: Bringing Ethnomathematics to Elementary Schools in Papua New Guinea <i>Kay Owens, Cris Edmonds-Wathen</i>	SP10: Etnomatemática: uma possibilidade como método de ensino <i>Eliane Velho, Isabel Lara</i>
16:30 - 17:00	SP11: Micronesian culturally based mathematics units <i>Sandy Dawson</i>	SP12: Senderos norteados por un curso de multiculturalidad y etnomatemática <i>Oswaldo Padrón</i>
18:30 – 20:30	Welcome Reception at UP-Central Library	

Day 3: Wednesday, 09th July		
Time	FCNM Hall 1	Chairperson
09:00 - 09:45	Plenary 6 <i>Etnomatemática: el vértice matemático del posmodernismo poliédrico</i> <i>Maria Luisa Oliveras, Universidad de Granada, Spain</i>	
09:45 - 10:00	Room 25, chairperson:	Room 26, chairperson:
	SS1: <i>Etnomatemática e a Formação de professores indígenas</i> <i>Carolina Osorio</i>	SS2:
10:00 - 10:15	SS3: <i>Etnomatemática associada a Física no trabalho artesanal de pedreiro. Caso da cidade de Chimoio</i> <i>Hélio Nganhane, Gimo Maundera</i>	SS4: <i>Noções de medições de pesos e volumes entre os comerciantes informais makhuwas e possíveis implicações para a formação de Professores de Matemática em Moçambique</i> <i>Aurélio Machado</i>
10:15 - 10:30	SS5:	SS6:
Coffee/Tea Breack		
11:00 - 11:30	Room 25, chairperson:	Room 26, chairperson:
	SP13: <i>Students In the Republic of the Maldives Creating Ethnomathematics Word Problems</i> <i>Jason D. Johnson</i>	SP14: <i>Discutindo dados estatísticos relacionados à morte: Negros/as no brasil em uma letra de rap: uma experiencia de etnomatemática</i> <i>Adenilton Barros</i>
11:30 - 12:00	SP15: <i>Language and expressions in ethnomathematical research</i> <i>Mogege Mosimege</i>	SP16: <i>Microprojectos curriculares centrados en etnomatemáticas como elemento formador de maestros</i> <i>Alicia Fernández-Oliveras</i>
12:00 - 12:30	SP17: <i>Intellectual property on ethnomathematics research</i> <i>Aldo Parra</i>	SP18: <i>Etnociência: um olhar sobre os saberes tradicionais da pesca artesanal</i> <i>Mayara Saldanha</i>
Lunch		
Free Afternoon		

Day 4: Thursday, 10th July		
Time	FCNM Hall 1	Chairperson
09:00 - 09:45	Plenary 7 <i>Arthur B. Powell, Rutgers University, New Jersey, USA</i>	
09:45 - 10:30	Plenary 8 <i>Aplicación de etnomatemáticas para la formación de profesores en contextos indígenas</i> <i>María Elena Gavarret, Universidad Nacional de Costa Rica, Costa Rica</i>	
Coffee/Tea Breack		
11:00 - 11:30	Room 25, chairperson:	Room 26, chairperson:
	SP19: <i>The Challenges of Re-introducing Ethnomathematical Activities Into the Classroom: The Example of location and direction.</i> <i>Tony Trinick, Uenuku Fairhall</i>	SP20: <i>Estado del Arte de la Etnomatemática en Chile</i> <i>Pilar Peña-Rincón</i>
11:30 - 12:00	SP21: <i>Etnomatemáticas de sigmos culturales y su incidencia en la formación docente</i> <i>María Elena Gavarrete, Veronica Albanese</i>	SP22: <i>Terapia gramatical wittgensteiniana do problema da escola republicana no campo da Educação Indígena, na comunidade Gunadule de Alto Caimán (Colombia)</i> <i>Carolina Osorio</i>
12:00 - 12:30	SP23: <i>Elementos del conocimiento matemático cultural en la tradición indígena de Costa Rica</i> <i>María Elena Gavarret</i>	SP24: <i>Currículo etnomatemático: concepção trivio-transdisciplinar</i> <i>Olenêva Sanches Sousa</i>
Lunch		
Time	FCNM Hall 1	Chairperson
14:00 - 14:45	Plenary 8 <i>Didactical transposition of mathematical ideas: From woven patterns to school mathematical concepts</i> <i>Marcos Cherinda, Universidade Pedagógica, Mozambique</i>	
14:45 - 15:30	Room 25, chairperson:	Room 26, chairperson:
	LP1: <i>Quantifying the Impact of Exploring Ethnomathematics through Cultural Immersion on Students' Idea Density: A Longitudinal Case Study</i> <i>Iman Chahine</i>	LP2: <i>Understanding the Units of Length Measurement Used by Tribal People in India</i> <i>Sudhakar Agarkar, Miriam Amit</i>

15:30 - 16:15	LP3: An Ethnomathematical Study of the Cultural Artifact of Symmetrical Freedom Quilts: Facts and Myths Related to the Underground Railroad <i>Milton Rosa, Daniel Orey</i>	LP4: Chocalhos africanos de dança e a exploração de poliedros <i>Paulus Gerdes</i>
16:15 - 17:30	LP5: Impact of Local Language Creole on the Teaching and Learning of Two-dimensional Geometry at the Upper-primary level in Mauritius <i>Ravi Jawahir, Kay Owens</i>	LP6: Os saberes das celas nas salas de aula: Um olhar transdisciplinar na Educação de Jovens e Adultos <i>Claudia de Jesus Meira</i>
Cultural Evening		

Day 5: Friday, 11th July		
Time	FCNM Hall 1	Chairperson
09:00 - 09:45	Plenary 9 The role of critical ethnomathematics curriculum in transforming and empowering learners <i>Nirmala Naresh, Miami University, USA</i>	
09:45 - 10:30	Plenary 10 <i>Abdulcarimo Ismael, CIEC, Universidade Lúrio, Mozambique</i>	
Coffee/Tea Breack		
	Room 25, chairperson:	Room 26, chairperson:
11:00 - 11:30	SP25: Cultural villages as contexts for mediating culture and mathematics education in the South African curriculum <i>Sylvia Madusise</i>	SP26: Da etnomatemática a matemática. Um estudo sobre o grupo étnico herero / helelo do sul de angola (subgrupo mucubal e muhimba) <i>Alfredo de Lúcio</i>
11:30 - 12:00	SP27: Division of Loaves and Teaching Egyptian Fractions <i>Tim Craine & Steve Krevisky</i>	SP28: Modelo para el análisis de la producción científica en etnomatemáticas <i>Alicia Fernández-Oliveras</i>
12:00 - 12:30	SP29: History of a PhD thesis in Ethnomathematics <i>Veronica Albanese</i>	SP30: Bringing Ethnomathematics to Elementary Schools in Papua New Guinea <i>Vagi Bino</i>
Lunch		

Closing Ceremony FCNM Hall 1		
14:00 - 15:00	Plenary 11 <i>A Etnomatemática nos lenços dos namorados</i> <i>Pedro Palhares, CIEC, Instituto de Educação, Universidade do Minho, Portugal</i>	Master of Ceremony:
15:00 - 15:15	- Cultural performance by UP-Group	
15:15 - 15:30	- Closing words by the chair of the Local Organising Committee	
15:30 - 16:00	- Closing speech by the President of the International Study Group on Ethnomathematics <i>Prof. Maria Luisa Oliveras, Universidad de Granada, Spain</i>	
16:00 - 16:15	- Closing words by the Rector of the Universidade Pedagógica - Moçambique <i>Prof. Rogério José Uthui</i>	
16:15 - 16:20	- Goodbye song	

The Local Organising Committee