



Time	Paper No.	Presenter	Affiliation	Country	Virtual/ In-person	Title of Presentation
EST	Thursday					
7:00	Introductions					
7:10	1	Gengyuan Liu <liugengyuan@bnu.edu.cn>	Beijing Normal University	China	Virtual	Em-coin: A new currency for self-management of natural ecosystems
7:35	2	Qi Zhang <1810712@tongji.edu.cn>	Tongji University	China	Virtual	Potential and strategies for low-carbon urban development: an emergy-based assessment of Tianjin, China
8:00	3	Ayodh Vasant Kamath <ayodhv.kamath@jgu.edu.in>	O. P. Jindal Global University	India	Virtual	The Emergy of Making
8:25	4	Shiyu Mi <smi@connect.ust.hk>	Beijing Normal University,	China	Virtual	An Emergy-LCA Analysis of Environmental Sustainability in Urban Agriculture: Evidence from Food-Energy-Water-Carbon Nexus Perspective
8:50	5	Taotao Han <han.taotao@craes.org.cn>	Chinese Research Academy of Environmental Sciences	China	Virtual	Crop switching could be a win-win solution for improving both the productivity and sustainability in a typical dryland farming region-Loess Plateau, China
9:15	6	Thomas Abel <tabel1005@gmail.com>	Tzu Chi University	Tiawan	Virtual	Information Emergy
9:40	Break					
10:05	7	Luigi Conte <luigi.conte@unive.it>	Ca'Foscari University of Venice	Italy	Virtual	A systems thinking emergy-based perspective of soil interactions for plant nutrient uptake optimization by crops
10:30	8	Enrique Muñoz Ulecia <emulecia.94@gmail.com>	Centro de Investigacion y Tecnologia Agroalimentaria de Aragon (CITA)	España	virtual	Assessment of long-term changes in environmental indicators of pasture-based livestock systems in northern Spain
10:55	9	Patrizia Ghisellini <patrizia.ghisellini@uniparthenope.it>	Parthenope University of Naples, Naples, Italy;	Italy	Virtual	Emergy accounting of the Construction & Demolition Waste in the Metropolitan City of Naples (Italy) within a circular economy perspective
11:20	10	Cesar Augusto Laguna Torres <cesar._laguna@hotmail.com>	Universidad Autónoma de Nuevo León	Mexico	Virtual	Emergy analysis for stabilized soils with puzzolans and lime for sustainable road construction.
11:45	11	Beatriz Reis <bqueirozreis@gmail.com>	Texas Tech University	USA	Virtual	An emergy synthesis accounting model to evaluate beef cattle sustainability
12:10	12	Miriam Toxqui <miriam.toxquimunguia@viep.com.mx>	Benemérita Universidad Autónoma de Puebla	Mexico	Virtual	Evaluation of the sustainability of a mushroom culture system in san miguel canoa puebla based on emergia
12:35	Lunch					
13:00	Lunch					
13:25	Lunch					
13:50	13	Chiara Paoli <chiara.paoli@unige.it>	University of Genoa	Italy	In-person	Truffles industry: the hidden risks of a great potential
14:15	14	Daniel Campbell <dan_campbell_ri@yahoo.com>	University of Rhode Island	USA	In-person	Environmental Accounting Using Emergy: How Do We Make It A Reality?
14:40	15	Simone Bastianoni <bastianoni@unisi.it>	University of Siena.	Italy	In-person	Emergy evaluation of circular economies: benefit allocation and significance of indicators
15:05	16	Elimelec Munoz <elimelec.munoznunez@viep.com.mx>	Benemérita Universidad Autónoma de Puebla	Mexico	In-person	Energetic Analysis of Environmental Sustainability in Urban Orchards Based on Thermal Integral in Puebla, México.
15:30	Break					
15:55	17	Elliott Campbell <elliott.campbell@maryland.gov>	Maryland Department of Natural Resources	USA	in-person	Applying Systems Principles to Natural Capital Accounts
16:20	18	Mickey Chapa <mchapa@design.upenn.edu>	University of Pennsylvania	USA	In-person	Woodworking Facility
16:45	19	Fabio Sporchia <fabio.sporchia@student.unisi.it>	University of Siena	Italy	In-person	Emergy evaluation reveals the potential of wood for a more sustainable building sector
18:30	Dinner at the Blue Gill Restaurant (1310 SW 13th St, Gainesville, FL)					



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EST 7:00	Friday	Introductions				
7:10	20	Yanxin Liu <lyxinnn@126.com>	Capital University of Economics and Business	China	Virtual	Evaluation of energy and environmental cost of photovoltaic cell and lithium-ion battery industry chains from a perspective of shared responsibility
7:35	21	Yufeng Sun <hansyf9397@henau.edu.cn>	Henan Agricultural University	China	Virtual	Carbon emission accounting of biogas production system for power generation in China based on Emergy analysis
8:00	22	Praveen Arakkal <arakkalpraveen@gmail.com>	APJ Abdul Kalam Technological University	India	Virtual	Emergy as a parameter to assess the sustainability of building materials
8:25	23	Ningyu Yan <nnyan21@outlook.com>	Guangdong University of Technology	China	Virtual	Emergy-based bio-credit accounting method for biodiversity banking
8:50	24	Aamir Mehmood Shah <aamirmehmood55@hotmail.com>	Beijing Normal University	China	Virtual	Emergy-based Valuation of Constructed Wetland Ecosystem Services and Dis-services
9:15	Break					
9:40	25	John McLachlan-Karr <Jmckarr27@gmail.com>	Independent Consultant	Indonesia	Virtual	Ecosystem services valuation for shipping impacts to Indonesian coral reefs
10:05	26	Benedetto Rugani <benedetto.rugani@list.lu>	Luxembourg Institute of Science and Technology (LIST)	Luxembourg	Virtual	Towards international standardization for emergy accounting
10:30	27	Gloria Rótolo <rotolo.gloria@inta.gov.ar>	National Institute of Agricultural Technology-Oliveros	Argentina	Virtual	Sustainable and resilient agriculture for human wellbeing. The case of tomato (Solanum lycopersicum, L) production worldwide.
10:55	28	Dennis Collins <d_collins_pr@hotmail.com>	UPR-Mayaguez retired	Puerto Rico	Virtual	Emergy of Coalition and Drama Triangle Cycling
11:20	29	Wilber Armando Ramos Palacios <wilber-ramos1@hotmail.com>	Universidad Autónoma de Chiapas	Mexico	Virtual	Analysis of The Sustainability of The Urban Mobility Alternatives In Tuxtla Gutiérrez, Chiapas.
11:45	30	Giulia Forghieri <giulia.forghieri@unive.it>	Università Ca' Foscari Venezia	Italy	Virtual	Different land use scenarios for food supply: from deforestation to agroecological practices
12:10	Lunch					
12:35						
13:00						
13:25	31	Sam Arden <sam.arden@erg.com>	Eastern Research Group	USA	In-person	The Unit Emergy Value (UEV) Library for Characterizing Environmental Support in Life Cycle Assessment
13:50	32	Ilaria Rigo <ilaria.rigo@edu.unige.it>	University of Genoa,	Italy	In-person	The assessment of the overcoming of environmental carrying capacity due to tourist flows in an Italian bay
14:15	33	Joana Marinheiro <jmarinheiro@isa.ulisboa.pt>	University of Lisbon - School of Agriculture	Portugal	In-person	MIXED production at the landscape level: an emergy assessment on different agricultural systems under the same management.
14:40	34	Kangas Patrick <pkangas@umd.edu>	University of Maryland at College Park	USA	In-person	The Curse of Technocratic Optimism
15:05	Break					
15:30	35	William Braham <brahamw@design.upenn.edu>	University of Pennsylvania	USA	In-person	Bioclimatic analysis of location
15:55	36	Mariana Oliveira <mari.oliveira@gmail.com>	Parthenope University of Naples	Italy	In-person	Integrated Emergy Accounting-LCA approach to prevent environmental impacts and promote environmental and circular economy benefits. The case of leather production.
16:20	37	Mark Ciotola <ciotola@sfsu.edu>	San Francisco State University	USA	In-person	A Comparison of Emergy, Exergy, Entropy and Carbon Accounting: Histories, Definitions, Methodologies, Significance and Synergies
16:45	38	Silvio Viglia <silvio.viglia@enea.it>	ENEA, Italian National Agency for New Technologies	Italy	In-person	The environmental benefits of using secondary materials in industrial processes. An application of the Emergy accounting approach within a circular economy framework.
Evening	Dinner on your own					



Time	Paper No.	Presenter	Affiliation	Country	Virtual/ In-person	Title of Presentation
EST	Saturday					
7:00	Introductions					
7:10	39	Xu Tian <tianxu@sjtu.edu.cn>	Shanghai Jiao Tong University	China	Virtual	How blockchain thinking helps Emergy Accounting?
7:35	40	Yanfeng LYU <lvyanfeng1101@163.com>	Ministry of Agriculture and Rural Affairs	China	Virtual	Promoting coordinated development of a fertilizer production-crop plantation combined system through an integrated emergy-economic-carbon assessment
8:00	41	Yang Qing <yangqing14@mails.ucas.edu.cn>	Beijing Normal University	China	Virtual	Understanding Ecological Engineering Restoration Potential: The Role of Topography Constraints
8:25	41	Yang Tian <tianyang16@scbg.ac.cn>	S. China Botanical Garden, Chinese Academy of Sci.	China	Virtual	Effects of canopy and understory N addition on the ecosystem services of a subtropical forest
8:50	43	Chang Liu <liuchang9806@163.com>	Beijing Normal University	China	Virtual	Emergy-based evaluation of world coastal ecosystem services
9:15	Break					
9:40	44	Corrado Giannantoni <corrado.giannantoni@tin.it>	ENEA	Italy	Virtual	Dialogue between Scientific Perspectives In the Light of the Maximum Meta-Ordinality Principle The Case Study of EMA and MOP
10:05	45	Erik Grönlund <erik.gronlund@miun.se>	Mid Sweden University	Sweden	Virtual	Circular economy – options how to include emergy accountings and principles in an urban metabolism case study in Sweden
10:30	46	Silvio Cristiano <silvio.cristiano@unive.it>	Università Ca' Foscari Venezia	Italy	Virtual	Emergy, urban and regional planning, and architectural design: some steps forward
10:55	47	Miaohan Tang <tangmiaohan@cqu.edu.cn>	Northwestern university	USA	Virtual	Urban metabolism and emergy of China's cities
11:20	Lunch					
11:45	&					
12:10	ISAER Business Meeting					
12:35						
13:00	48	Matteo Maccanti <maccanti@student.unisi.it>	University of Siena	Italy	In-person	From emergy synthesis and UEVs of agriproducts to database, labelling, and eco-score
13:25	49	Paolo Vassallo <paolo.vassallo@unige.it>	University of Genoa	Italy	In-person	Conservation vs stagnation: the dilemma of an ecologist. Is emergy approach a solution?
13:50	50	Rachele Bordoni <rachele.bordoni@edu.unige.it>	University of Genoa	Italy	In-person	Application of a Strong Sustainability Accounting Framework in Cinque Terre Marine Protected Area (NW Italy)
14:15	Break					
14:40	51	Remo Santagata <remo.santagata@assegnista.uniparthenope.it>	Parthenope University of Napoli	Italy	In-person	Environmental Performance of Geothermal Electricity and District Heating and Cooling production: An Emergy Accounting and Life Cycle Assessment Integrated Procedure.
15:05	52	Serena Kaiser <serena.kaiser001@studenti.uniparthenope.it> Maddalena Ripa	Parthenope University of Naples	Italy	In-person	An integrated assessment framework to evaluate the environmental feasibility of a Renewable Energy Community
15:30	53	Murray Patterson <m.g.patterson@massey.ac.nz>	Massey University	New Zealand	Virtual	Challenging the Orthodoxy: Should Energy Quality be Determined by Forward linkages as well as Backward linkages?
15:55	54	Mark Brown	University of Florida	USA	In-Person	What the World Needs Now: perspectives for the anthropocene
17:30	Dinner at Mark Brown and Carol Binello's House (2124 SE 30th Place Gainesville, FL)					