



**ASSOCIAZIONE PER LA MATEMATICA
APPLICATA ALLE SCIENZE ECONOMICHE
E SOCIALI**

**XLV Annual Meeting of the Italian Association for Mathematics
Applied to Economic and Social Sciences (AMASES)**

Program of the Plenary Sessions

Monday, September 13th	Tuesday, September 14th
<p>09:00 – 10:00 : Starting Remote Connections 10:00 – 10:30 : Welcoming Session – Rettore Università Mediterranea Prof. Santo Marcello Zimbone – Direttore DIGIES Prof. Massimiliano Ferrara – Presidente AMASES Prof. Bruno Viscolani 10:30 – 12:30 : AMASES Award Special Session</p> <p>Lunch Break</p> <p>15:00 – 16:00 : Invited Speaker – Elisa Alòs 16:00 – 17:00 : Invited Speaker – Paolo Ghirardato</p>	<p>09:00 – 10:00 : Invited Speaker – Carlo Mariconda 10:00 – 11:00 : Invited Speaker – Ana Camanho</p> <p>Coffee Time</p> <p>11:15 – 13:00 : AMASES General Assembly (members only) – Proclamazione vincitore AMASES Award – Relazione su Indagine Didattica SECS-S/06 – Relazioni Presidente e Segretario Generale – Relazioni Delegato al Bilancio e Direttore DEF – Varie ed Eventuali</p>

Program of the Parallel Session

“Mathematical methods for sustainability challenges”

<https://meet.google.com/nwy-eoot-dsu>

Wednesday, September 15th

14:00 – 15:00 : Session on *Energy*

- Retailer-Consumer Model in Electricity Market Under Demand Response (*Arega Getaneh Abate*)
- Forecasting and investigating dependence between renewable and non-renewable energies via a Mixture copula-ARJI-GARCH model (*Maria Elena De Giuli*)
- Optimal design of exchange networks with blind inputs and its application to Eco-Industrial parks (*Didier Ausseil*)

15:10 – 16:30 : Session on *Performance Measurement*

- ICT as a determinant of inefficiency: An efficiency measurement in education of selected OECD countries (*Muhammad Mujiya Ulkhaq*)
- Semiparametric multinomial multilevel models for predicting higher education dropout (*Chiara Masci*)
- Axiomatic of the multi-equation modeling of pollution-generating technologies and nonparametric estimation (*Hervé Dakpo*)
- It's all about hierarchies: An Analytic Hierarchy Process for the EU Waste Hierarchy (*Giovanna D'Inverno*)

16:40 – 17:40 : Session on *Sustainability*

- Sustainability and tourist flow networks: a mean field bi-level optimization approach (*Joseph Andria*)
- Groundwater exploitation and illegal behaviors in a differential game (*Giovanni Villani*)
- ESG Investing: A Chance to Reduce Systemic Risk (*Marco Nicolosi*)