



4th European Micro Gas Turbine Symposium

11th and 12th October 2023

Brussels, Belgium

Symposium Schedule



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Schedule at a glance

Day 1 – 11 th October 2023	
16:30 – 17:00	Welcome and introduction to EMGTF
17:00 – 17:30	Keynote Speech: Micro-Turbines' Role on the Path to Net Zero Emissions. <i>Sean Fitzpatrick, Pure World Energy</i>
17:30 – 18:00	Keynote Speech: Micro-CHP and the European Green Deal <i>Hans Korteweg, COGEN Europe</i>
18:00 – 18:45	Panel Discussion: <i>Tony Hynes, Aurelia Turbines</i> <i>Willy Ahout, Micro Turbine Technology</i> <i>Michel Delanaye, MITIS</i> <i>Sean Fitzpatrick, Pure World Energy</i> <i>Hans Korteweg, COGEN Europe</i>
20:00 – close	Networking dinner

Day 2 – 12 th October 2023	
08:00 – 08:30	Arrival
08:45 – 09:00	Overview of NextMGT Project Prof Abdalnaser Sayma, Coordinator
09:00 – 10:15	WP1: Cycle Innovations and Optimisation Chair: Prof. Anestis Kalfas, Aristotle University of Thessaloniki <ul style="list-style-type: none"> Innovations in Micro-Gas Turbines for Aircraft Propulsion <i>Rogério Moreira, City, University of London</i> Techno-Economic Study of P2P Renewable Energy Storage based on the Smart Integration of BESS, H₂, and Micro Gas Turbines <i>Antonio Escamilla Perejon, University of Seville</i> Robust Operational Optimisation of a 2-spool Micro Gas Turbine <i>Angelos Gaitanis, Université Catholique de Louvain</i>
10:15 – 10:30	Coffee break
10:30 – 11:45	WP1: Cycle Innovations and Optimisation Chair: Prof. Anestis Kalfas, Aristotle University of Thessaloniki <ul style="list-style-type: none"> Investigation of Micro Gas Turbine System Configurations for Compact Lightweight Applications based on Reversible Bladeless Tesla Machinery <i>Ravi Nath Tiwari, University of Genoa</i> Cooling techniques for micro gas turbine power augmentation <i>Saphron Brown, Aristotle University of Thessaloniki</i>

	<ul style="list-style-type: none"> Optimising Micro Gas Turbine Operation in Integrated Microgrid Systems: AI-Enhanced Synergy with Wind Energy and Green Hydrogen <i>Reyhaneh Banihabib, University of Stavanger</i>
11:45 – 12:00	Coffee break
12:00 – 13:15	<p>WP3: System Component Innovations Chair: Prof. Mohsen Assadi, University of Stavanger</p> <ul style="list-style-type: none"> Optimised Microturbine Control Systems for Enhanced Performance <i>Ahmad Abuhaiba, City, University of London</i> Assessment of the Benefits of Metal Foam Recuperators on Micro Gas Turbines <i>Panagiota Chatzi, Aristotle University of Thessaloniki</i> Smart Integration of Micro Gas Turbine Systems with Innovative Energy Storage Devices <i>Martina Raggio, University of Genoa</i>
13:15 – 14:15	Lunch break
14:15 – 15:30	<p>WP2: Combustion and Emissions Chair: Prof. Francesco Contino, Université Catholique de Louvain</p> <ul style="list-style-type: none"> Turbulent Flame Speed of Lean Premixed CH₄-H₂ Flames at High Pressure Levels <i>Filippo Faldella, Paul Scherrer Institute</i> Data-Driven Modelling of Flameless Combustion: An Innovative Combustion Regime for Micro Gas Turbines <i>Pietro Pagani, Université Catholique de Louvain</i> Heterogeneous and Combined Heterogeneous/ Homogeneous Combustion Modelling of SOFC Off-Gases <i>Vinoth Kumar, Paul Scherrer Institute</i>
15:30 – 15:45	Coffee break
15:45 – 17:00	<p>WP4: Industry Links, IP Management and Commercialisation Chair: Prof. David Sanchez, University of Seville</p> <ul style="list-style-type: none"> Path to Commercialisation: Micro Gas Turbine Technology Roadmap <i>Giuseppe Tilocca, University of Seville</i> Techno-Economics of Micro Gas Turbines <i>Samitha Weerakoon, University of Stavanger</i> A Quantitative Assessment of the Impact of the Energy Policy Framework on the Market Penetration of Micro Gas Turbines <i>Kirti Sharma, City, University of London</i>
17:00 – 17:15	<p>Reflections Chair: Prof. David Sanchez, University of Seville</p>