

Grand Challenges Scholars Program (EU Chapter)				
Field Study for Mini Grid Optimization Research Group				
Mini-grid models and optimization methods for sustainability, energy services, and zero emission mobility				
Conference PROGRAM				
22nd of March 2021				
TIME (CET)	SPEAKER	TOPIC	ENTITY	MAIN AREA
8.00	GC - FS ALUMNI	Registration Process	GC - FS ALUMNI Sapienza	
	Early bird participants	Informal Sharing Chatting		
8.45	Andrea Micangeli	OPENING INSTRUCTIONS	GCSP EU Director	
9.00	Antonio D'Andrea	OPENING REMARKS	Sapienza University Engineering	5. Students Engagement
9.10	Ugo De Carolis	Sustainability in the Complex Airport "Mini Grid"	past CEO "Aeroporti di Roma"	1. Innovations in Mini-Grid
	Massimo Picalarga	RenewABLE Against Covid - Health Centers Mini Grids Comparison	GC - FS ALUMNI Sapienza	2. Optimization methods
	Enel Group	Sustainability and Solidarity in Enel Vision	ENEL	3. Sustainability in energy
	Valeria Rizza	Effects of deployment of electric vehicles on air quality in the urban area of Turin (Italy)	CNR-Italy	4. Zero emission mobility
	Valerio Manelli	Industrialization of Biomass Gasification for Mini Grids	RESET	1. Innovations in Mini-Grid
	Giancarlo Gemma	Comparison between electric mobility and traditional mobility in view of the state of	HQ - Rome Engineers	4. Zero emission mobility
10.00	Susann Stritzke	The sustainability of decentralised renewable energy projects in developing countries:	University of Oxford	2. Optimization methods
	Benjamin Robinson	Energy Lives of the Displaced in the Sahel	University of Nottingham-UK	1. Innovations in Mini-Grid
	Djousse Kanouo Boris	Performance assessment of photovoltaic-water thermal solar system using monocrystalline	Dschang University, Camerun	1. Innovations in Mini-Grid
	Ottavio Di Paolo	GCSP at High School the GP2 School	Giovanni Paolo II - Italy	5. Students Engagement and
	Marta Caradonna	RES4Africa and Micro Grid Academy for Youth Coordination & Empowerment	Micro Grid Academy	5. Students Engagement and
	Norah Magero	Cold storage for rural off-grid communities	Drop Access - Kenya	1. Innovations in Mini-Grid
	Working Group	Micro Grids in MGA Classes	Micro Grid Academy	5. Students Engagement and
	Eileen Phoebe Lara	Bridging the gender divide in energy	Women Renewable Energy	3. Sustainability in energy
	Elly Kevin Oriko	RenewABLE against Covid - Juja project	Ray-Now Start Up Kenya	2. Optimization methods
	Giorgio Barbaglia	Energy and Health in Africa - RenewABLE against Covid	Comunità di Sant'Egidio	3. Sustainability in energy
11.00	Ignatius Maranga	Containered Mini Grid Multi Use	Strathmore University Kenya	3. Sustainability in energy
	Maureen Macharia	Research on Solar Heating	Micro Grid Academy	1. Innovations in Mini-Grid
	Paul Muhia Njoroge	Accelerating the transition to electric mobility in Africa	Association for Electric Mobility and	4. Zero emission mobility
	Tracy Kimathi	Award Project on Cold Chain	Micro Grid Academy	3. Sustainability in energy
	Julia Taylor - Dario	Dynamic Study of the Integration of a Hybrid Storage System based on rSOC and Li-ion	University of Perugia -	2. Optimization methods
	Sergio Olivero	The Renewable Energy Community of Magliano Alpi	Renewable Energy Community of	1. Innovations in Mini-Grid
12.00	Sen, Gianni Giroto	Italian Republic Commitment towards Energy Communities Mini Grids	Italian Government	3. Sustainability in energy
	Luca Traini	RE-Thinking Mini Grid Business Model in Agri Food	RES4Africa	1. Innovations in Mini-Grid
	Gabriele Magni	Energy Community in Ventotene	GC - FS ALUMNI Sapienza	1. Innovations in Mini-Grid
	Alessia Moresi	Ventotene Wave Energy for Electricity	Sapienza University - DIMA	1. Innovations in Mini-Grid
	Marco Cocchi	Chemical engineering perspective in waste material valorization	University Campus Bio-Medico	2. Optimization methods
	Jean Pierre Roix	Off Shore Wind Acceptability Network	University of Exeter	3. Sustainability in energy
	Elena Prò	The Oldonyokie/Olkeri Maasai Pastoralist Heritage as model of sustainability	University of Exeter	1. Innovations in Mini-Grid
	Gladys Morales	Impact-driven partnerships for innovation in Agricultural Development	IFAD	3. Sustainability in energy
13.00	Linda Barelli	GCSP in Perugia University	GCSP Perugia Director	3. Sustainability in energy
	Federico Santi	Engineering competencies for Sustainability and Intercultural promotion	Sapienza University	5. Students Engagement and
	Gianfranco Rizzo	Converting conventional cars into ecological vehicles as a sustainable path to sustainable	University of Salerno	4. Zero emission mobility
	Lucrezia Di Francesco	Urban Green Island	GC - FS ALUMNI Sapienza	1. Innovations in Mini-Grid
	Paolo Fazzini	Artificial Intelligence and Traffic Management	CNR-Italy	4. Zero emission mobility
	Lorenzo Bartolucci	Development of an health-conscious EMS for hybrid systems	University of Rome Tor Vergata	2. Optimization methods for
	Daniele Bricca	Enhance collaboration between local actors and research centers to unlock rural areas	Windkinetic - Ubq	1. Innovations in Mini-Grid
14.00	Del Prete, D'Alvia	H2 Mobility Lab Research	Sapienza University - DIMA	4. Zero emission mobility
	Davide Fasciolo	"Energicamento" Tusciana Power - Grand Challenges Field Study Activities	GC - FS ALUMNI Sapienza	5. Students Engagement and
	Jans Jaeger	Opportunities for private sector – academia cooperation in the energy access sector	Alliance for Rural Electrification	1. Innovations in Mini-Grid
	Davide Fioriti	Multi Year Stochastic Modelling for Rural Mini Grids	University of Pisa	1. Innovations in Mini-Grid
	Carlo Tacconeilli	Research goes operational on the field in projects, consultancies, designs	EnGreen	1. Innovations in Mini-Grid
	Vincenzo Loly	Improving the cut-in speed of small diameter, stand-alone type wind turbines for	Brazil - Instituto Mauá de	1. Innovations in Mini-Grid
	Vitória, Botelho	Methodology development for assessing GHG emissions on vegetable food products	Brazil - Instituto Mauá de Tecnologia	1. Innovations in Mini-Grid
	Olivia Muza	A gender perspective to off-grid mini-grid sustainability in sub-Saharan context	ACE - ESD - Rwanda	1. Innovations in Mini-Grid
15.00	Livio De Santoli	Afternoon Welcome Remarks by Energy Engineering	Sapienza University -	3. Sustainability in energy
	Simona De Juliiis	ENEA expertise for sustainable energy systems	ENEA - Energy Technologies and	3. Sustainability in energy
	Davide Poli	Activities of UNIP regarding the optimization of size and operation of hybrid isolated Mini	University of Pisa	2. Optimization methods
	Tommaso Andreoli	Load simulation and optimization of RES solution for a diesel replacement in local isolated	GC - FS ALUMNI Sapienza	1. Innovations in Mini-Grid
	Martina Marchetti	Earth: Energy Communities Worldwide	GC - FS ALUMNI Sapienza	3. Sustainability in energy
	Valentina Lomi, F. Teti	Electric Vehicles Recharge: Communication between Vehicle and Charging Station	INTECS	1. Innovations in Mini-Grid
	Francesco Fantozzi	Renewable Energies in North Africa	University of Perugia	1. Innovations in Mini-Grid
16.00	Paul van Schaik	Feedback for domestic energy use in Mini Grids	Teesside University	1. Innovations in MiniGrid
	Edgar Segovia	Recommendations for baseline load calculations in Demand Response programs	Teesside University	2. Optimization methods
	Dario Fallara	Mini-grid 2.0	Equatorial Power	1. Innovations in Mini-Grid
	Mariam Lamere	Microbial Fuel Cells	Bristol UWE	1. Innovations in Mini-Grid
	Giulia Rubbo	Circular Economy from Youngest	Technical Solidarity Association	3. Sustainability in energy
	Stefano Grego	Knowledge of the past - Agriculture of the future	Technical Solidarity President	3. Sustainability in energy
	Joseph Rugut	Renewables for Health	CHAK	1. Innovations in Mini-Grid
17.00	Felice Egidi	Energy and Solidarity	Electricians Without Borders -	3. Sustainability in energy
	Giambattista Retegno	RenewABLE against Covid	Electricians Without Borders - ESFI	3. Sustainability in energy
	Domenico Vito	Make Energy Transition a Reality in EU: challenges and opportunities	Climate Leader, Climate Reality	1. Innovations in Mini-Grid
	Antonio Bisceglia	Study and Implementation of a Solar-Powered Pumping System in Rwanda	GC - FS ALUMNI Sapienza	3. Sustainability in energy
	Andrea De Silvestri	Engineering and solidarity in Rojava, Africa and Latin America	Engineering Without Borders Italy	5. Students Engagement and
	Endoo Dorcas	Regulatory Framework on Renewable: Comparative study of Kenya and South Africa	RonohLaw and Associates	3. Sustainability in energy
18.00	Theodore Endreny	Strategic Utilization of Ecosystem Services from Trees to Reduce Building Cooling Loads	SUNY ESF, Environmental	2. Optimization methods
	Matteo Gagliano	Energy and Environmental Analysis of the benefits of a reforestation project on the island	GC - FS ALUMNI Sapienza	1. Innovations in Mini-Grid
	Paolo Cherubini	Mini-grid hybridization and demand side management on non-interconnected small islands	University of Pisa	1. Innovations in Mini-Grid
	Sergio Marchetti	PV Plants Maintenance by Drone Tech	Energia Futura	5. Students Engagement
	Diana Buff	Solid Waste Management in Kenya	GC - FS ALUMNI Sapienza	3. Sustainability in energy
	Jacopo, Alberizzi	Unit commitment optimization of a micro-grid with a MILP algorithm: role of the emissions,	Free University of Bozen -	2. Optimization methods
	ALENE ADMAS	Sustainable bioethanol production from Molasses using locally isolated Potential	Addis Ababa University Institute	1. Innovations in Mini-Grid
	Benson Kibiti	SHIFTING THE POWER: WHY COMMUNITY-LED MINIGRIDS OFFER A PROMISING	RES4Africa	1. Innovations in Mini-Grid
	Francesco Napolitano	Wolffia: Circular Economy Network	Wolffia srl	3. Sustainability in energy
	Lorena Giordano	Poligeneration systems based on RES	ENEA	1. Innovations in Mini-Grid
19.00	Maurizio Tira	CLOSING SESSION: Sustainability in Italian University	CRUI - Sustainability	3. Sustainability in energy
	Massimiliano, Lega	Advanced monitoring techniques and technologies to improve environmental awareness	University of Naples Parthenope	1. Innovations in Mini-Grid
	Katie Evans	Grand Challenges US, Africa and EU cooperation	GCSP N.A.E. - Louisiana Tech	
	Amy Trowbridge	Grand Challenges for Engineering in USA	GCSP Arizona State University	
	Andrea Micangeli	Grand Challenges for Engineering in Europe	GCSP Sapienza	5. Students Engagement
	Sujata Bhatia	Grand Challenges for Innovation and Society: An Interdisciplinary Honors Course for	GCSP Director Uni. of Delaware	3. Sustainability in energy
	Yannis Yortsos	Grand Challenge for Engineering in Pandemic	GCSP Dean South California Uni	5. Students Engagement
20.00	Theodore Endreny	Closing Remarks	GCSP State Uni of N.Y.	END