





Monday 25 of June

Time	Activity				
8:00º	Registration				
Welcome Address					
8:50	'European R&D on CSP: Joint Programming Activities'	Diego Martínez			
TOPIC: 1º SOLAR FUELS					
Chair: Robert Pitz-Paal					
Time	Presentation Title	Presenting Author			
9:00	Fuel production by reduction of CO2 using concentrated sunlight – A material study	Friedemann Call			
9:25	Development of a solar reactor for thermochemical water- splitting	Jan Felinks			
9:50	Numerical Analysis of Process Dynamics of Thermochemical Water Splitting Process	Matthias Lange			
10:05	Two-step solar thermochemical cycle for splitting CO2 via ceria redox reactions – Experimental investigation with a 3.8	Philipp Furler			
	kW solar reactor				
10:30	Coffee break				
	TOPIC: 1º POINT FOCUS SYSTEMS				
	Chair: Jesús Ballestrín	l			
Time	Presentation Title	Presenting Author			
11:00	Modeling a falling particle receiver with face-down geometry for large scale electricity generation	Birgit Gobereit			
11:25	Optimization of a high temperature solar receiver by poly- dispersion of particles	Freddy Ordonez			
11:40	Homogeneous fluidization predicted by CFD-DEM simulations: hydrodynamic stability of gas-fluidized beds	Jan Marti			
12:05	A solar particle receiver for small gas turbine systems	Wei Wu			
12:30	Lunch				
	TOPIC: DETOXIFICATION AND DESALINATION				
Time	Chair: Isabel Oller				
Time	Presentation Title	Presenting Author			
14:00	Optimization of mild solar TiO2 photocatalysis as a tertiary treatment for municipal wastewater treatment plant effluents	Lucia Prieto			







Monday 25 of June

14:25	Wastewater disinfection by solar photo catalysis	Majdi KACEM			
14:50	Degradation of acetaminophen using TiO ₂ supported on glass spheres irradiated in a CPC Solar Pilot Plant.	Margarita Jimenez			
15:15	Combined Electricity and Water Production basing on Solar and Wind Energy	Massimo Moser			
15:40	Coffee break				
TOPIC: 1º LINEAR FOCUS SYSTEMS Chair: Robert Pitz-Paal					
Time	Presentation Title	Presenting Author			
16:10	Test bench for parabolic trough receivers characterization	Carmen Fernández			
16:35	The once-through concept in DSG power plants— Design aspects of the demonstration plant	Jan Fabian Feldhoff			
17:00	Design of a novel cavity receiver based on air for trough concentrating solar power	Philipp Good			
17:25	Investigations on soiling in Morocco and Spain	Fabian Wolfertstetter			
TOPIC: PV SYSTEMS					
	Chair: Diego Martínez	T			
Time	Presentation Title	Presenting Author			
17:50	Experimentation and optimization of a PV/Diesel hybrid system for the electricity generation in rural and peri-urban areas of sub-Saharan Africa countries: The "flexy-energy" concept	Daniel Yamegueu			
18:15	On-sun tests and design optimization of a 600x CPV collector based on an inflated trough primary with tracking secondary optics	Thomas Cooper			
TOPIC: 2º POINT FOCUS SYSTEMS					
Chair: Diego Martinez					
Time	Presentation Title	Presenting Author			
18:40	Conception by inverse methods of innovative optics for concentrated solar power: the application to beam down concentrators	Olivier Farges			
19:05	Two interesting wavelength bands for IR thermometry	Aitor Marzo			







Tuesday, 26 of June

TOPIC: 3º POINT FOCUS SYSTEMS Chair: Jesús Ballestrín						
Time	Presentation Title	Presenting Author				
9:00	Accelerated aging of a material used in high-concentration solar receivers	Antoine Boubault				
9:25	Degradation mechanisms of tube type receivers exposed at high solar flux	Eneko Setien				
9:50	Modelling approaches for dynamic wind loads on heliostats	Felipe Vásquez				
10:05	Control of the flux distribution on a solar tower receiver using an optimized aim point strategy: Application to THEMIS power tower	Adrien Salome				
10:30	Coffe break					
TOPIC: 4º POINT FOCUS SYSTEMS Chair: Bernhard Hoffschmidt						
Time		Presenting Author				
Time 11:00	Chair: Bernhard Hoffschmidt	_				
	Chair: Bernhard Hoffschmidt Presentation Title Design and thermal analysis of a volumetric receiver for the PSA	Author Maria Isabel				
11:00	Chair: Bernhard Hoffschmidt Presentation Title Design and thermal analysis of a volumetric receiver for the PSA Solar Furnace Analysis of convective losses of cavity receivers and adequate	Author Maria Isabel Roldán				
11:00	Chair: Bernhard Hoffschmidt Presentation Title Design and thermal analysis of a volumetric receiver for the PSA Solar Furnace Analysis of convective losses of cavity receivers and adequate reduction strategies A modular ceramic cavity-receiver for high-temperature high-	Author Maria Isabel Roldán Robert Flesch				







Tuesday, 26 of June

TOPIC: STORAGE Chair: Eduardo Zarza				
Time	Presentation Title	Presenting Author		
14:00	Steelmaking slag, a valuable material for high temperature thermal energy storage	Guilhem Dejean		
14:25	Generic heat and mass transfer model of a thermochemical packed bed reactor for thermal storage of solar energy	Stefan Ströhle		
14:50	High temperature latent heat storage for thermal protection of concentrated solar absorbers : application to the PEGASE project	David Bellard		
15:15	High temperature thermal storage for concentrating solar power: Model and experimental results	Giw Zanganeh		
15:40	Coffee break			
TOPIC: 2º LINEAR FOCUS SYSTEMS				
	Chair: Eduardo Zarza	Presenting		
Time	Presentation Title	Author		
16:10	Non-destructive optical efficiency measurement of parabolic trough receivers using a solar simulator with linear focus	Johannes Pernpeintner		
16:35	Three-dimensional optical and thermal numerical model of solar tubular receivers in parabolic trough concentrators	Men Wirz		
17:00	Measurement and modelling of parabolic trough mirror shape in different mirror angles	Siw Meiser		
17:25	Low power cogeneration from concentrated solar energy	Arnaud Jourdan		
	TOPIC: 2º SOLAR FUELS			
	Chair: Bernhard Hoffschmidt	Presenting		
Time	Presentation Title	Author		
17:50	Two-step redox hydrogen production plant simulator tool	Alberto de la Calle		
18:15	Solar-driven steam gasification of sugarcane bagasse	Michael Kruesi		
18:40	Solar fuels production from thermochemical cycles: kinetic study of the solar reduction of metal oxides	Gaël Levêque		
19:05	Adjournment	Diego Martínez		