

International Conference on Renewable Energy Systems (ICRES) with focus on Solar Technologies

ORGANIZED BY:



ΙΝΕΤΙΤΟΥΤΟ ΗΛΙΑΚΗΣ ΤΕΧΝΙΚΗΣ
INSTITUTE OF SOLAR TECHNOLOGY



CERTH
CENTRE FOR
RESEARCH & TECHNOLOGY
HELLAS



SolarHub

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09-11 April 2025

THESSALONIKI, GREECE

UNDER THE AUSPICES OF:



DEPARTMENT OF
CIVIL ENGINEERING



DEPARTMENT OF
MECHANICAL ENGINEERING



ARISTOTLE
UNIVERSITY
OF THESSALONIKI

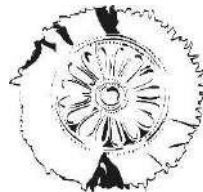
CONFERENCE PROGRAM

International Conference on Renewable Energy Systems 2025 with focus on Solar Technologies Thessaloniki, Greece, 09 – 11 April 2025

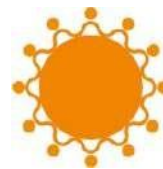
Co – Organized by



Institute of Solar
Technology



Centre for Research and
Technology Hellas



SolarHub

A Greek - Turkish Solar Energy
excellence Hub to Advance the
European Green Deal

Under the auspices of the

School of Civil Engineering School and School of Mechanical
Engineering, Aristotle University of Thessaloniki, Greece



The Institute of Solar Technology (IST), a scientific organization based in Thessaloniki, recognizing in time the important role of Renewable Energy Sources (RES) and the Rational Use of Energy in the energy balance of Greece, organized in 1982 the "1st National Conference on Renewable Energy Sources", with the aim of providing researchers active in RES, a platform for a fruitful exchange of views and ideas and for supporting cooperation perspectives at national and international level. This initiative was met with enthusiastic support from the outset. Over the past 43 years, the Institute has built a legacy of hosting thirteen successful national events while fostering numerous fruitful collaborations within the scope of its broad thematic focus on the Greek region.

The Centre for Research and Technology Hellas was founded in March 2000, it is a legal entity governed by private law with non-profit status, supervised by the General Secretariat for Research and Innovation (GSRI) of the Greek Ministry of Development. CERTH suggests one of the most important Research Centers in Greece with a main mission: The promotion of innovative research for the benefit of society. Dedicated to this purpose, CERTH lies at the forefront of basic, applied and technological research to provide solutions to society's modern challenges. Clean energy, low/zero CO₂ emission technologies, clean vehicle technologies, green hydrogen, climate change, artificial intelligence, advanced robotic systems, the internet of things, Industry 4.0, smart home infrastructure for the future, precision medicine, holistic health nutrition, holistic health- nutrition approach, autonomous vehicles, driving simulators, traffic control hubs, smart cities, precision agriculture, agro-robotics and circular economy, are the primal fields around which CERTH's five (5) institutes are organized.

SolarHub is a perfect blend of Quadruple Helix collaboration in practice to create an Excellence Hub. Through linking academia, businesses, governments, and civil societies, SolarHub a four-year project with 21 partners from Greece, Türkiye, Germany, Ireland and Belgium. It is funded under the Horizon Europe WIDERA Excellence Hub program. The SolarHub consortium came to effect in January 2023 aiming to interconnect and scale-up five solar energy innovation ecosystems located in Ankara, Thessaloniki, İzmir, Athens and İstanbul standing by a mantra of accelerating the Clean Energy Transition and the Green Deal initiative.

IST, CERTH and SolarHub are proud to announce the

International Conference on Renewable Energy Systems **with focus on Solar Technologies**

under the auspices of the

**School of Civil Engineering and the School of Mechanical Engineering of the Aristotle University of
Thessaloniki**

on

09-11 April 2025

in Thessaloniki, GREECE

The conference covers the following key themes

- Solar Thermal Power and Heat
- Innovative components & systems for low temperature ($\leq 120^{\circ}\text{C}$) solar heat
- Medium and high temperature (solar) thermochemical processes & components
- Innovative Applications of PV technologies
- Innovative components & systems for agrivoltaics
- Solar Heating and Cooling – components and systems
- Hybrid PV/solar thermal
- Renewable Energy Technologies and their applications

There will be parallel sessions dedicated to specific subjects:

- Energy Communities: Current status, challenges and perspectives
- Round table discussions on Solar Technology Systems policies
- Widening Impacts - A Pioneering Widening community

INFORMATION ON THE PRESENTATIONS

The allotted time for each presentation is between 10 to 15 minutes, with 5 minutes dedicated to questions. All oral presentations will be presented in English in a PowerPoint format.

IMPORTANT DATES

Submission of Full Paper	31-05-2025
Early Registration	Until 21-03-2025
Registration	Until 07-04-2025

PROCEEDINGS

Selected papers from the ICRES 2025 Proceedings will be published after review as a Special Issue in the Journal

Green Energy and Sustainability

www.pivotscipub.com/ges

The conference proceedings will be available online on IST's webpage and will include only the papers that are presented. Additionally, for a scientific paper to be included in the conference proceedings (published after the conference), at least one of its authors must be registered for the event. Finally, if a delegate presents more than one paper, they will be required to pay 50% of the participation fee for each additional paper beyond the first.

REGISTRATION FEES

The registration fees for the conference are as follows:

Participants and Authors (before 21/03/2025)	150 €
Participants and Authors (after 21/03/2025)	200 €
MSc and PhD students (non-authors)	50 €
Undergraduate students (non-authors)	Free

Please kindly note that on-site registration will not be possible.
All participants must register through the online registration form.

VENUE

The Conference is being held in Thessaloniki, at the Center for Dissemination of Research Results (K.D.E.A) of the Aristotle University of Thessaloniki, which is located on Leoforos 3rd of September Street in the Campus between the Student Club and the University Gymnasium.



Information can be found at: <http://kedeia.rc.auth.gr/>

ORGANIZING COMMITTEE

Conference Chair:

Research Director **George Karagiannakis** - (CERTH, SolarHub)

Dr. **Georgia Kastrinaki** - (CERTH, SolarHub)

Dr. **Elli Kyriaki** - (AUTH, IST)

Dr. **Souzana Lorentzou** - (CERTH, SolarHub)

Assoc. Prof. **Georgios Martinopoulos** - (Merchant Marine Academy of Macedonia, IST)

Prof. **Dimitrios Misirlis** - (International Hellenic University, IST)

Dr **Eleni Papaioannou** - (CERTH, SolarHub)

Prof. **Onur Taylan** - (METU, ODTÜ - GÜNAM, SolarHub)

Dr **Vassiliki Drosou** - (CRES, SolarHub)

Prof. **Hande Eryilmaz** - (ODTÜ - GÜNAM, SolarHub)

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Prof. **Onur Taylan** - (METU, ICHMT)

Prof. **Theodoros Theodosiou** - (AUTH, IST)

Prof. **Aikaterini Tsikaloudaki** (AUTH, IST)

SECRETARIAT

Mrs Adamandia Zeziou

ARTEMIS Laboratory/Chemical Process and Energy Resources Institute/ Centre for Research and Technology Hellas (CERTH)

Phone: +30 2311257928

Conference Email: lcres2025@certh.gr

Information about the Conference is posted on the conference website

<https://horizonsolarhub.eu/en/5012-icres-2025> and on the IST website:

<http://solarinstitute.gr/>.

CONTACT US

Institute of Solar Technologies

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CONFERENCE PROGRAM

Wednesday 9th of April			
12.00-13.00	Registration		
	Room 1		
13.00-13.30	Opening Session		
13.30-14.30	Plenary Session 1		
14.30-15.00	Coffee break		
	Room 1	Room 2	Room 3
15.00-16.00	Session 1_1 Potential Assessment (I)	Session 2_1 Solar Heat and Power	Session 3_1 Innovative Applications of PV technologies
16.00- 17.00	Excellence Hubs Presentation		
Thursday 10th of April			
	Room 1		
9:00-10:00	Plenary Session 2		
10:00-10:30	Coffee break		
	Room 1	Room 2	Room 3
10.30-13.00	Session 1_3 Medium and high temperature (solar) thermochemical processes & components	Session 2_3 Potential Assessment (II)	Session 3_3 Renewable Energy Technologies (I)
13.00-14.30	Lunch Break		
14.30-16.30	Session 1_4 Solar Heating and Cooling – components and systems	Session 2_4 Potential Assessment (III)	Session 3_4 Innovative components & systems for agrivoltaics
Friday 11th of April			
	Room 1		
9:00-10:00	Plenary Session 3		
10:00-10:30	Coffee break		
	Room 1	Room 2	Room 3
10.30-11.30	Energy Communities Session		
11.30-12.30	Round Table on Energy Communities		
12.30-14.30	Session 1_6 Solar Materials and Storage	Session 2_6 Hydrogen and Solar Materials	Session 3_6 Renewable Energy technologies (II)
14.30-15.00	Closing Round Table		

12:00-13:00 *Registration*

13:00-13:30 **Welcoming**

Room 1

13:30-14:30 Plenary Session 1

Room 1

Marios Georgiou

The Cyprus Institute, Nicosia, Cyprus

14:30-15:00 Coffee Break

15:00-16:00 Potential Assessment (I)

Room 1

15:00 TOWARDS AN END-TO-END DATA DRIVEN FRAMEWORK TO EMPOWER ENERGY COMMUNITIES

A. Tsitsanis, G. Papadopoulos, K. Tsatsakis

15:20 TECHNO-ECONOMIC EVALUATION OF CONCENTRATED SOLAR POWERED DESALINATION PLANTS IN GREEK ISLANDS

A. Theodorakopoulos, K. Kavadias

16:00 HEATING & COOLING IN THE ERA OF ELECTRIFICATION: A COMPARATIVE ANALYSIS OF NECPS

R. Christodoulaki, V. Drosou, F. Gerard, J. Fernandez, A. Papadopoulos

15:00-16:00 Solar Heat and Power

Room 2

15:00 "ARCHIMEDES" – A CONCENTRATING SOLAR RESEARCH INFRASTRUCTURE FOR SUSTAINABLE ENERGY PRODUCTION

E. Papanicolaou

15:20 LATEST UPDATE ON SOLAR THERMAL TECHNOLOGY EUROPEAN STANDARDIZATION AND CERTIFICATION ISSUES

V. Drosou, R. Christodoulaki

16:00 SYNTHESIS AND CHARACTERIZATION OF BORON CARBON OXYNITRIDE (BCNO) NANOCOMPOSITE MATERIAL AS NOVEL LUMINESCENT SOLAR CONCENTRATOR FOR GREENHOUSE APPLICATIONS

E. Pitsika, G. Salahas, E. Stathatos

15:00-16:00 Innovative Applications of PV technologies

Room 3

15:00 OPTIMAL SIZING OF HOUSEHOLD PV SHARES AND DEMAND RESPONSE STRATEGIES UNDER THE NEW VIRTUAL NET-BILLING LAW FOR ENERGY COMMUNITIES

I. Chatzigeorgiou, D. Kitsikopoulos, I. Xenaki, G.T. Andreou

15:20 EXPERIMENTAL INVESTIGATION OF PARTIAL SHADING EFFECT ON PV PANELS

K. Kavadias, G. Tagkalis, K. Christopoulos, E. Sakellariou

16:00 DESIGN AND PERFORMANCE INVESTIGATION OF A SOLAR PHOTOVOLTAIC INSTALLATION ON A UNIVERSITY BUILDING

E. Vidalis, E. Bellos, C. Sammoutos, A. Kitsopoulou, P. Lykas, D.N. Korres, D. Gonidaki, C. Tzivanidis

16:00-17:00 Excellence Hubs Presentation

Room 1

Martin Roeb

Institute of Future Fuels - German Aerospace Centre (DLR), Germany

10:30 HIGH-TEMPERATURE THERMOCHEMICAL HEAT STORAGE FOR CSP WITH MN- AND FE-BASED PEROVSKITE METAL OXIDES

M. Pein, R. dos Santos Santana, D. Vellas, D. Koch, E. Dashjav, C. Agrafiotis, M. Roeb

10:50 DEVELOPMENT OF RETICULATED POROUS PEROVSKITE STRUCTURES AS EFFECTIVE MEANS FOR HIGH-TEMPERATURE THERMOCHEMICAL SOLAR ENERGY STORAGE

D. Vellas, A. Eltayeb, E. Dashjav, M. Pein, C. Agrafiotis, M. Roeb

11:10 INVESTIGATION OF THE HEAT TRANSFER COEFFICIENT CORRELATIONS OF A STRUCTURED MONOLITH AS SOLAR RECEIVER WITH COMPUTATIONAL AND LAB DATA

A. Melhim, K.E. Kakosimos, A.G. Konstandopoulos

11:30 INVESTIGATION OF A LATENT-HEAT STORAGE TANK WITH ENCAPSULATED ERYTHRITOL FOR CONCENTRATING SOLAR SYSTEMS

N. Papadimitriou, E. Papanicolaou, V. Belessiotis

11:50 CONCENTRATING SOLAR TECHNOLOGIES INTEGRATION INTO THERMOCHEMICAL PROCESSES: INDICATIVE EXAMPLES

N. I. Tsongidis, C. Poravou, C. Lekkos, G. Kastrinaki, G. Karagiannakis

12:10 CHARACTERIZATION AND REACTIVITY OF MIXED COPPER-VANADIUM OXIDE CATALYSTS FOR THE SO₃ SPLITTING REACTION

L. Kollias, I. Baltanidis, T. Kentri, G. Skyfta, A. Bakratsa, V. Zacharopoulou, N. Tsongidis, G. Karagiannakis, S. Boghosian

10:30 A ROBUST COMMUNICATION SYSTEM FOR A FULLY AUTOMATED MICROGRID WITH PHOTOVOLTAIC STATIONS AND ELECTRIC VEHICLES

V. Arapostathis, C. Karavas, A. T. Balafoutis, G. Papadakis

10:50 SURVEYING THE ENERGY PROFILES OF A MICROGRID SYSTEM WITH PHOTOVOLTAIC STATIONS, ELECTRIC VEHICLES AND DIFFERENT KINDS OF BATTERY TYPES

V. Arapostathis, C. Karavas, A. T. Balafoutis, G. Papadakis

11:10 A FUZZY MANAGEMENT SYSTEM FOR THE ELECTRIC VEHICLE CHARGING SCHEDULING IN A MICROGRID WITH PHOTOVOLTAIC STATIONS

V. Arapostathis, C. Karavas, A. T. Balafoutis, G. Papadakis

11:30 ASSESSING THE IMPACT OF DESERT DUST AEROSOL IN PV POWER MODELLING

N. Papadimitriou, I. Fountoulakis, A. Kazantzidis, K. Papachristopoulou, S. Kazadzis, L. Doppler, C. S. Zerefos

11:50 TOWARDS CARBON NEUTRALITY OF THE MARITIME SECTOR: FEASIBILITY STUDY FOR THE INTEGRATION OF PV SYSTEM ON-BOARD AT A VLCC TANKER

E. Giama, M. Gougousiadis, A. Zafet, G. Pontikakos, S. Mamalis, G. Skevis

12:10 A DIGITAL TWIN MODEL FOR THE MONITORING OF A SOLAR THERMAL SYSTEM: DEVELOPMENT AND ANALYSIS

C. Kyriakou, T. Klitou, N. Afxentiou, P. Fokaidis

10:30 REVIEW OF RESEARCH AND COMMERCIAL SOLAR CONCENTRATED SYSTEMS FOR PROCESS HEAT WITH THERMAL ENERGY STORAGE IN GREECE AND CYPRUS

S. Alexopoulos, Z. Mahdi, J. C. Sattler, D. Krüger

10:50 OPTIMUM SOLAR ENERGY SOLUTION FOR REMOTE ISLANDS

M.P. Bratitsis, J.K. Kaldellis.

11:10 CIRCULARITY AND LIFE CYCLE ASSESSMENT IN SOLAR TECHNOLOGIES AND RENEWABLE ENERGY SYSTEMS

M. Rajić, M. Mančić, M. Mančić, P. Milosavljević

- 11:30 **A LOW-COST, HIGH-PRECISION PHOTOVOLTAIC ARRAY EMULATOR FOR TESTING AND EDUCATIONAL PURPOSES**
E. Rikos, A. Schmid, V. Drosou
- 11:50 **CRITICAL EVALUATION OF MACEDONIA HYDROPOWER PLANTS LONG-TERM PERFORMANCE. FUTURE PROSPECTS & CHALLENGES**
J.K. Kaldellis., A. Theodorou., G.Tzanes, D. Zafirakis.
- 12:10 **DEVELOPMENT OF MACHINE LEARNING TECHNIQUES FOR SOLAR THERMAL SYSTEM DESIGN**
M. Sourgoutsidis, L. Zouloumis, V. Kilis, N. Ploskas, G. Panaras
- 12:30 **MACHINE LEARNING BASED SOLAR PANEL POWER GENERATION FORECASTING LEVERAGING WEATHER DATA**
I.R. Dimitriadis, G. Gravanis, S. Papadopoulou, K. Diamantaras

13:00-14:30 Lunch Break

14:30-16:30 Solar Heating and Cooling – components and systems

Room 1

- 14:30 **DESIGN AND OPERATION EVALUATION OF A COOLING CHAMBER SUPPORTED WITH A GROUND SOURCE HEAT PUMP SYSTEM IN THE REGION OF CENTRAL MACEDONIA**
V.Firfiris, P. Kolios, A. Lithourgidis, A. Tsitsimpikou, T. Kotsopoulos
- 14:50 **DESIGN OF CENTRAL COOLING CHAMBER UNITS SUPPORTED WITH GROUND SOURCE HEAT PUMPS IN THE REGION OF CENTRAL MACEDONIA FOR COVERING THE NEEDS OF LOCAL AGRICULTURE PRODUCTION**
V. Firfiris, P. Kolios, C. Tzenos, S. Kalamaras, T. Kotsopoulos
- 15:10 **LEVERAGING TRNSYS SIMULATIONS OF TWO BUILDINGS IN DIVERSE CLIMATES FOR RENEWABLE ENERGY INTEGRATION**
G.Dogkas, A. Tsimpoukis, M.P. Cammañ, J.S. Muñoz, J.C. del Castillo García, O. Gustafsson, G. Itskos, N. Nikolopoulos
- 15:30 **THERMAL PERFORMANCE ASSESSMENT OF A DOMESTIC HOT WATER STORAGE WITH PCM**
M. S. Bükler, V. C. Güran, H. I. Dağ
- 15:50 **EFFICIENCY EVALUATION OF A COMBINED HEATING AND COOLING ENERGY PRODUCTION UNIT, UTILIZING R717 AND PCM STORAGE IN A SMALL SCALE THERMAL GRID: A CASE STUDY**
A. Papavasiliou, P.N. Botsaris, G. Meramveliotakis, P. Bakalis, A. Gkountas
- 16:10 **OPTIMIZING THE PERFORMANCE OF A NOVEL COMPACT INTEGRATED THERMAL STORAGE SYSTEM (MINISTOR) UNDER DIVERSE CLIMATE CONDITIONS**
A. Tsimpoukis, G. Martinopoulos, N. Nikolopoulos

14:30-16:30 Potential Assessment (III)

Room 2

- 14:30 **COMMUNITY ENERGY FLEXIBILITY THROUGH SOLAR SELF-CONSUMPTION: A CRITICAL ASSESSMENT**
D. Kitsikopoulos, I.Chatzigeorgiou, G. Gritzas
- 14:50 **CLOUD CLASSIFICATION AND SOLAR IRRADIANCE FORECASTING USING ALL SKY IMAGES**
G. Behrens, N. El Atmioui, Y. Ribouh, A. Kruse
- 15:10 **ESTIMATING THE REAL CONTRIBUTION OF PHOTOVOLTAICS ON COVERING THE GREEK MAINLAND LOAD DEMAND**
J.K Kaldellis., M.P Bratitsis., St. Miliarakis, K. Christopoulos
- 15:30 **PARTNER-DRIVEN SOLUTIONS FOR ENHANCING A SOLAR ENERGY INNOVATION ECOSYSTEM: THE ANKARA CASE**
T. Hiz, P. D. Güre, A. E. Aydın
- 15:50 **FINANCIAL INSTRUMENTS IMPLEMENTED IN GREECE FOR THE PROMOTION OF RENEWABLE SOURCES OF ENERGY**
C. Kiskini, K. Kissa, M. Schoina, A. Averopoulou, E. Stergiou
- 16:10 **DYNAMIC TARIFFS AND INCENTIVE SCHEMES FOR ENERGY COMMUNITIES WITH NET-BILLING**
A. Papakonstantinou, E. Katsikis, D. Chatzigiannis, M. Paraschi, Z. Mylona, C. Baslis

14:30-16:30 Innovative components & systems for agrivoltaics

Room 3

- 14:30 **APPLICATION OF PHOTOVOLTAICS IN FRUIT PROCESING INDUSTRY**
M. Mančić, M. Đorđević, M. Rajić, M. Mančić, L. Pantić
- 14:50 **AGRI-PV: Technology Solutions for Green and Sunstainable Agriculture**
S. Bousios, N. Kanopoulos, S. Theodoulidis
- 15:10 **AN IOT-BASED SMART SCADA SYSTEM FOR USE IN AGRI-PV APPLICATIONS**

E. Rikos, D. Kuzyaka, V. Drosou

15:30 **AGRIPV MEETS BIOGAS AND ELECTRIFICATION: A SCENARIO-BASED OPTIMIZATION TO DECARBONIZE INDUSTRIAL ENERGY LOADS**

D Makris., C. Vlachokostas, A. Papadopoulos, S. Alexopoulos, J. Schruefer, D. Hoegemann

Friday 11th April 2025

09:00-10:00 Plenary Session 3

Room 1

Assoc. Prof. Dr. Pinar Derin-Güre

Middle East Technical University, Department Economics, Ankara, Turkiye

10:00-10:30 Coffee Break

10:30-11:30 Energy Communities Session

Room 1

11:30-12:30 Round Table on Energy Communities

Room 1

12:30-14:30 Solar Materials and Storage

Room 1

12:30 GROWTH AND OPTIMISATION OF TRANSPARENT CONDUCTING OXIDES FOR ENERGY APPLICATIONS

A. Zhussupbekova, K. Fleischer, I. V. Shvets

12:50 EFFECTS OF VOID RATIO AND CHANNEL COUNT ON THE PERFORMANCE OF A PACKED BED THERMAL ENERGY STORAGE SYSTEM UTILIZING RECYCLED CERAMIC BLOCKS THROUGH NUMERICAL SIMULATIONS

B. Ülkütaşır, A. Ülger, D. Değirmenci, M. Köksal, O. Taylan

13:10 EFFECTS OF OPERATING TEMPERATURE ON THERMOCLINE FORMATION IN AXIAL AND HELICAL FLOW PACKED-BED THERMAL ENERGY STORAGE SYSTEMS THROUGH COMPUTATIONAL MODELING

D. Değirmenci, B. Ülkütaşır, O. Taylan

13:30 SIMULATION OF HEAT TRANSFER IN A LARGE-SCALE FLAT PLATE COLLECTOR

Y. Karakaş, T. Özyurt, R. Christodoulaki, H. Michalopoulos, S. Karabetoğlu, V. Drosou

13:50 CHALLENGES FOR THE INTEGRATION OF PHOTOVOLTAICS IN ROAD VEHICLES

Ahu Ece Hartavi Karci, D. Margaritis, S. Yerci, E. Kinav

12:30-14:30 Hydrogen and Solar Materials

Room 2

12:30 OPTICAL ANALYSIS OF A BEAM-DOWN LINEAR FRESNEL REFLECTOR COUPLED WITH A FLAT PLATE RECEIVER

C. Sammoutos, E. Bellos, A. Kitsopoulou, P. Lykas, E. Vidalis, D. Gonidaki, D.N. Korres, C. Tzivanidis

12:50 HYDROSOL-beyond – SOLAR HYDROGEN PRODUCTION ON STRUCTURED REACTORS

S. Lorentzou, C. Pagkoura, G. Karagiannakis, T. Fend, A. Vidal Delgado, A. Gonzales, T. Denk, M. Beerstra, S. Giannela, L. Ferrari, A. Ortona, M. Barbato, R. Puragliesi, L. Cornolti, V. Lacroix, J. Cren, A. Cassado

13:10 LIQUID HYDROGEN FUEL SYSTEM DESIGN FOR SUSTAINABLE AVIATION APPLICATIONS

V. Karaiskos, K. Fotis, Z. Vlahostergios, D. Misirlis, K. Yakinthos

13:30 CHARGE LOCALIZATION IN NOVEL PHOTOCATALYST MATERIALS: EFFECTS ON THE WATER-SPLITTING REACTION

F. Ambrosio

13:50 GREECE'S FIRST ONSITE HYDROGEN REFUELLING STATION: A KPI-BASED PERFORMANCE EVALUATION IN LIFE GREENH₂ORN PROJECT

K. Letsios, N. Charisiou, N. Ntavos, E. Papista, M. Goula, S. Douvartzides

12:30-14:30 Renewable Energy technologies (II)

Room 3

12:30 CURRENT STATUS OF THE EUROPEAN RESEARCH INFRASTRUCTURE CONSORTIUM 'EU-SOLARIS'

R. Sánchez, J. Blanco, E. Guillot, G. Flamant, M. Blanco, D. Benítez, M. Georgiou, N. Fylaktos, J. Cardoso, D. Canavarró, J. Martín, D. Martínez

12:50 UPCYCLING OF PYROLYSIS OIL FROM WASTE PLASTICS INTO NAPHTHA AND LUBRICANTS

F. Al, A.C. Aydogdu, B. Erkmén, A. Suerkan, A. Alparslan, A. Ezdesir, G. Celik

13:10 PRELIMINARY ANALYSIS OF COMPONENTS COST DISTRIBUTION FOR A LOW ENTHALPY GEOTHERMAL POWER PLANT

A. I. Karypidis, D. Misirlis, C. Papapostolou, K. Kleidis

13:30 SYNTHESIS OF ZERO EMISSION NEXT GENERATION FUELS: THE EXAMPLE OF SOLAR-ASSISTED HYDROTHERMAL LIQUEFACTION

C. Poravou, N. Christodoulou, N. I. Tsongidis, G. Karagiannakis

13:50 GRID ECONOMICS IN THE AGE OF DISTRIBUTED SOLAR GENERATION

T. Durmaz, A. Pommeret

14:30-15:00 Closing Ceremony Round Table

Room 1