



INSTITUTE FOR SUSTAINABLE ENERGY, UNIVERSITY OF MALTA

Sustainable Energy 2015: The ISE Annual Conference

17th March 2015, Dolmen Resort Hotel & Spa, Qawra, Malta

PROGRAMME: TUESDAY 17TH MARCH 2015

08:30 – 09:00 REGISTRATION

09:00 – 09:20 **OPENING SESSION**

DR. KONRAD MIZZI, MINISTER FOR ENERGY AND HEALTH
PROF. EMMANUEL SINAGRA, CHAIRMAN, INSTITUTE FOR SUSTAINABLE ENERGY, UNIVERSITY OF MALTA
PROF. ROBERT GHIRLANDO, DIRECTOR, INSTITUTE FOR SUSTAINABLE ENERGY, UNIVERSITY OF MALTA

SESSION 1: PROF. EMMANUEL SINAGRA – CHAIRMAN

09:20 – 10:00 PRESENTATION 1: **KEYNOTE PRESENTATION – IMPLEMENTATION OF THE ENERGY EFFICIENCY DIRECTIVE IN EUROPE**, NINA GAREIS, EUROPEAN COMMISSION, DIRECTORATE GENERAL FOR ENERGY, BRUSSELS, BELGIUM

10:00 – 10:30 PRESENTATION 2: **SUSTAINABLE WASTE ENERGY RECOVERY THROUGH PLASMA GASIFICATION**, KEVIN WILLERTON, VP STRATEGIC ALLIANCES AND BUSINESS DEVELOPMENT, WESTINGHOUSE PLASMA CORPORATION, CANADA

10:30 – 11:00 **COFFEE BREAK (VISITING STANDS AND POSTER SESSION)**

SESSION 2: PROF. MANFRED WEISSENBACHER – CHAIRMAN

11:00 – 11:30 PRESENTATION 3: **NEPTUNE: NO-DISCHARGE ENERGY EFFICIENT PROTOTYPE FOR THE TREATMENT OF URBAN MUNICIPAL WASTE**, STEFAN CACHIA WATER SERVICES CORPORATION, JOSEPH BUHAGIAR - DEPARTMENT OF BIOLOGY, UNIVERSITY OF MALTA, ALBERTO MICELI FARRUGIA, ARCHITECTURE PROJECT LTD., MALTA

11:30 – 12:00 PRESENTATION 4: **LEED CERTIFICATION OF MEDINA TOWER PROJECT: PRE-REQUISITE TO ZERO ENERGY BUILDINGS?**, DAVID XUEREB, NICOLETTE MICALLEF, QP MANAGEMENT LTD, MALTA

12:00 – 12:30 PRESENTATION 5: **THE ENERGY PERFORMANCE RATING OF DWELLINGS IN MALTA (EPRDM) CALCULATION TOOL: THE EPB ASSESSORS PERSPECTIVE**, ELIZABETH CAMILLERI, SIMON PAUL BORG AND VINCENT BUHAGIAR, FACULTY FOR THE BUILT ENVIRONMENT, UNIVERSITY OF MALTA

12:30 – 13:30 **LUNCH (VISITING STANDS AND POSTER SESSION)**

SESSION 3: PROF. LUCIANO MULE-STAGNO – CHAIRMAN

13:30 – 14:00 PRESENTATION 6: **DEVELOPMENT OF A THERMALLY IMPROVED HOLLOW CONCRETE BLOCK**, CAROLINE CARUANA, CHARLES YOUSIF, INSTITUTE FOR SUSTAINABLE ENERGY, SPIRIDIONE BUHAGIAR, FACULTY FOR THE BUILT ENVIRONMENT, UNIVERSITY OF MALTA, MALTA AND CHARLON GRIMA, GALEA CURMI ENGINEERING SERVICES LTD., GOZO

14:00 – 14:30 PRESENTATION 7: **RETROFITTING A MEDITERRANEAN DWELLING INTO A THERMALLY COMFORTABLE MINIMUM ENERGY HOME: A CASE STUDY IN MALTA**, STEFAN DE MARCO, INSTITUTE FOR SUSTAINABLE ENERGY, VINCENT BUHAGIAR, FACULTY FOR THE BUILT ENVIRONMENT, UNIVERSITY OF MALTA

14:30 – 15:00 PRESENTATION 8: **A PRELIMINARY COMPUTATIONAL STUDY OF ROOF CONVECTIVE THERMAL RESISTANCE IN THE PRESENCE OF PHOTOVOLTAIC PANELS**, DANIEL MICALLEF, VINCENT BUHAGIAR AND SIMON PAUL BORG, FACULTY FOR THE BUILT ENVIRONMENT, UNIVERSITY OF MALTA

15:00 – 15:30 **COFFEE BREAK (VISITING STANDS AND POSTER SESSION)**

SESSION 4: PROF. ROBERT GHIRLANDO – CHAIRMAN

15:30 – 16:00 PRESENTATION 9: **THE ECONOMIC FEASIBILITY OF PHOTOVOLTAIC SYSTEMS IN THE MALTESE ISLANDS THROUGH MATLAB MODELLING**, KRIS SCICLUNA, MARK ZAMMIT AND BRIAN AZZOPARDI, INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERING, MALTA COLLEGE FOR SCIENCE AND TECHNOLOGY, MALTA

16:00 – 16:30 PRESENTATION 10: **COMPARING THE ECONOMIC FEASIBILITY OF OFFSHORE FLOATING WIND AND SOLAR PHOTOVOLTAIC ENERGY IN CENTRAL MEDITERRANEAN DEEP WATERS**, PETER P. VELLA, TONIO SANT AND ROBERT N. FARRUGIA, INSTITUTE FOR SUSTAINABLE ENERGY, UNIVERSITY OF MALTA

16:30 – 17:00 PRESENTATION 11: **SURVEY INTO THE AGE OF MAJOR HOUSEHOLD APPLIANCES IN MALTA AND INVESTIGATION INTO THE SCOPE FOR ENERGY REDUCTION RECOMMENDATIONS**, YOURI BONDU, GERARD WINSTANLEY AND LUCIANO MULE' STAGNO, INSTITUTE FOR SUSTAINABLE ENERGY, UNIVERSITY OF MALTA

17:00 – 17:10 CLOSING SESSION: PROF. ROBERT GHIRLANDO, DIRECTOR, ISE

Posters

- **Landscape and Energy Production: Possible Co-existence?** Antonino Fabio Agosta, Giovanni Luca Dierna, Marco Gileppo, Ordine degli Ingegneri della Provincia di Ragusa, Ragusa, Italy
- **Balancing Risk and Reward: A Brief Review of Literature Pertaining to the Ideal Design of Radiological Protection Measures in Relation to the Possible Citing of a Combined Power and Desalination Nuclear Reactor in Malta**, John Gilmartin, BSc Student, University of Malta

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