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Giuseppe Riccio - Dipartimento di Energetica Termofluidodinamica applicata e Condizionamenti ambientali, Università degli Studi di Napoli Federico II, Italy



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Francesco Asdrubali, Giorgio Baldinelli - University of Perugia, Italy

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Michele De Carli - *University of Padova, Department of Applied Physics, Padova, Italy* Massimiliano Scarpa - *University of Padova, Department of Applied Physics, Padova, Italy - Technical University of Denmark, Department of Civil Engineering, Lyngby, Denmark*

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Maxime Doya - Laboratoire d'Études des Phénomènes de Transfert Appliqués au Bâtiment, Université de La Rochelle, France

Emmanuel Bozonnet, Francis Allard - *LEPTAB*, *Department of civil engineering, Université de La Rochelle, France*

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Arturo Covitti - Department of Electronic and Electrotechnic, Polytechnic of Bari, Italy

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Rusen Yamacli - Anadolu University Eskisehir, Turkey

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Emmanuel Dufrasnes, Etienne Wurtz, Gilbert Achard - LOCIE, INES, Parc technologique de Savoie Technolac - Le Bourget du Lac, France

Catherine Buhé - EDU, UMR 5600 'Environnement, ville et société' (Environment, town and society), INSA Lyon, Villeurbanne, France

Session D

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Marco Grisot, Giuseppe Ranzato - Clivet SpA, Feltre (BL), Italy

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Guido Gozzoli - Genoa University of Studies - Architecture University Faculty DIPARC Enrica Cattaneo - Inps Liguria

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Giuseppe Starace, Lorenzo De Pascalis - Department of Engineering for Innovation, University of Salento, Italy

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Paolo Maria Congedo, Gianpiero Colangelo, Giuseppe Starace - *Università del Salento - CREA (research center for energy and environment) Dipartimento di Ingegneria dell'Innovazione, Lecce (Italy)*

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Julio Martos Torres - Departamento de Ingeniería Electrónica, Universidad de Valencia, Spain

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Christoph Peters - La Salle - URL, Barcelona - SARA-project for the Catalan Energy Institute - ICAEN, Barcelona

Dirk Pietruschka - *Stuttgart University of Applied Science* Joan Ramón Gros - *Mechanical Engineer, Barcelona*



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Endothermic Systems for Space Heating and Cooling in Domestic Houses G.S. Virk - School of Mechanical Engineering, University of Leeds, UK F. Piccininni - Dept. of Environmental Eng. and Sustainable Development, Politecnico di Bari, Italy

Adiabatic Cooling Using Water Atomisers

Michele Martello, Raul Simonetti - CAREL SpA, Brugine (PD), Italy

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Federico Scarpa, Luca A. Tagliafico, Giulio Tagliafico - DIPTEM/TEC, University of Genova, Italy

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Piergiulio Avanzini - *IENI C.N.R.*, *Italy* Fernando Pettorossi - *Clenergy*, *Italy*

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Alberto Cavallini, Enrico Da Riva, Davide Del Col - *University of Padova, Italy* Mauro Mantovan - *Hiref SpA, Tribano (PD), Italy*

Possible advantages of using electronic expansion valves in supermarkets Renato Lazzarin, Daniele Nardotto, Marco Noro - *Department of Management and*

Engineering, University of Padova, Italy



Session E ENERGY AND ENVIRONMENTAL CERTIFICATION. AUDIT, RETROFIT, O&M OF BUILDINGS AND HVAC&R SYSTEMS

Estimation of building thermal parameters; application to an existing light weight building

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Elena Palomo Del Bario - Laboratoire Transferts Écoulements Fluides Énergétique UMR 8508

Building Energy labeling in Tunisia

Houcem Eddine Mechri, Vincenzo Corrado - Dipartimento di Energetica, Politecnico di Torino, Italy

Mohamed Zied Gannar - Agence Nationale pour la Maîtrise de l'Energie, Tunisia Effect of data uncertainty on energy performance assessment of buildings Vincenzo Corrado, Houcem Eddine Mechri - Dipartimento di Energetica, Politecnico di Torino, Italy

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Luis Pérez-Lombard*, Juan F. Coronel - Escuela de Ingenieros, Universidad de Sevilla, Spain

José Ortiz - BRE Sustainable Energy Centre, England

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Valentina Raisa - *AldesItalia* - *R&D*Roberto Zecchin - *University of Padova* - *TiFs*Boulanger Xavier - *AldesFrance* - *R&D*La Tour Miguel - *AlderVentilcontrol* - *R&D*

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Laboratorio di Fisica Tecnica ed Energetica, Cagliari, Italy

Energy and Exergy Analysis of Heating and Cooling Systems in the Italian Context

Adriana Angelotti, Paola Caputo - Dept. Building and Environment Science and Technologies (BEST), Politecnico of Milano, Italy

Forward the European Energy performance of the Buildings

Vito Grippaldi, Rosario Francesco Nicoletti, Anna Rosaria Vernaci - Department of Art, Science and building technology, University "Mediterranea" of Reggio Calabria

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Paolo Valdiserri, Kristian Fabbri, Lamberto Tronchin - DIENCA-CIARM, University of Bologna, Bologna, Italy

Energetic Analysis of historical buildings by means of a typological research

Gianfranco Cellai, Donata Morelli - Department of Institute of architecture technology and design "Pierluigi Spadolini" - University of Firenze, School of Architecture Chiara Cristiani - Department of Civil engineering - University of Pisa, School of Engineering

Fabio Fantozzi - Department of Energetic "L. Poggi" - University of Pisa, School of Engineering

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Marco Masoero, Chiara Silvi - Dipartimento di Energetica, Politecnico di Torino, Italy Field Monitoring of Air Conditioning Systems: Italian Case Studies in Auditac Project

Marco Masoero, Chiara Silvi - Dipartimento di Energetica, Politecnico di Torino, Italy

Field benchmarking and Market development for Audit methods in Air Conditioning: renovation strategies

Daniela Bory, Jerome Adnot - Center for Energy and Processes, Mines de Paris, France



Cooling needs for a warming world? Economics and governance of district cooling Franco Becchis - POLIS Department, University of East Piedmont, Italy Giuseppe Genon - Department of Environmental Engineering, Polytechnic of Turin, Italy

The Development of Heat Pump Technology in Romania

Robert Gavriliuc, Adrian Gabriel Ghiaus - Department of Thermodynamics - Faculty of Building Services Engineering, Technical University of Civil Engineering Bucharest, Bucharest 2

Radu Polizu - Geoexchange Society, Bucharest 1

50% CO2-reduction in Mediterranean Social Housing through detailed life-cycle analysis

Joan Sabaté - Head of Construction Department, La Salle - University Ramon Llull, Barcelona. General Director of Sabaté associats Arquitectura i Sostenibilitat, Barcelona

Christoph Peters - Professor of Construction Department, La Salle - URL, Barcelona. Head of Research Department, Sabaté associats Arquitectura i Sostenibilitat, Barcelona

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Giovanna Franco - Diparc (Dept. of Architecture Design and Construction), University of Genova

Anna Magrini - Dept. of Environmental and Hydraulic Engineering, University of Pavia

Lucia Cattani - Dept of Industrial Engineering, University of Bergamo

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Enrica Cattaneo - INPS- Liguria Regional Head Office, Genova Fernando Pettorossi - Clenergy Snc, Santa Margherita Ligure

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Marco Perino, Stefano Corgnati, Lorenzo Balsamelli - Department of Energy, Politecnico di Torino, Italy

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Giovanni Vanoli, Gianpietro Vergani - *Ingg. Grossi & Speier, Italy* André Colombo, Patrick Hernandez - *GS France, France*



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Simone Ferrari, Marco Bonomi, Paola Caputo - Dept. Building and Environment Science and Technologies (BEST), Politecnico di Milano, Italy
Bernard Lachal - Centre Universitaire d'étude des Problèmes de l'énergie (CUEPE),
Universitè de Genevè, Switzerland

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Gian Luca Brunetti - ABITAlab, Department of Building, Environment, Sciences and Technologies (B.E.S.T.), Polytechnic University of Milan, Italy

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Renato M. Lazzarin, Filippo Busato, Fabio Minchio - Department of Management and Engineering, University of Padova, Vicenza, Italy
Gianluca Vigne - Areatecnica Vigne Associati, Sedico (BL), Italy

Data Center: Energy efficiency, operating cost saving and environmental respect in technological sites

Andrea Lazzaro - Emerson Network Power Srl, Piove di Sacco (PD)

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Andrea Crivellaro - Steam s.r.l.

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Francesco Ruggiero - ICAR - Dipartimento di Scienze dell'Ingegneria Civile e dell'Architettura - Politecnico di Bari

Mauro Strada - Dipartimento di Costruzione dell'Architettura - IUAV