

TIME	EVENT	Institution
10:00 AM	WELCOME AND OPENING Dr Nick Kelly - Conference Chair	University of Strathclyde
10:15 AM	WELCOME FROM IBPSA Prof. Lori McElroy - Former IBPSA President	University of Strathclyde
<b>SESSION1</b>	<b>MODELLING TOOLS AND DECISION SUPPORT</b>	<b>Chair: Dr. Jon Hand</b>
10:30 AM	A COMMUNITY-BASED URBAN BUILDING ENERGY MODELING FRAMEWORK FOR TRANSITIONING TOWARDS ZERO ENERGY BUILDING COMMUNITIES IN DEVELOPING COUNTRIES Omprakash Ramalingam Rethnam, Albert Thomas Ph.D.	Indian Institute of Technology Bombay
10:50 AM	AN ENERGY PERFORMANCE BASED DECISION SUPPORT SYSTEM FOR NORTH FACING SETTLEMENTS Hilal Parlak Arslan, Gül Koçlar Oral	Istanbul Technical University
11:10 AM	TOWARDS A HIGH-RESOLUTION, STOCHASTIC, DOMESTIC ENERGY DEMAND MODEL TO ASSESS THE LOCAL NETWORK IMPACT OF HEAT AND TRANSPORT ELECTRIFICATION Graeme Flett, Paul Tuohy	University of Strathclyde
11:30 AM	BREAK	
<b>SESSION2</b>	<b>COMFORT AND THERMAL PERFORMANCE</b>	<b>Chair: Prof. Pieter de Wilde</b>
11:45 AM	COMPARATIVE ANALYSIS OF OCCUPANT COMFORT, ENERGY USE AND THERMAL PERFORMANCE OF TWO HOUSES BUILT AS PER STRICT AND FLEXIBLE ARCHITECTURAL CONTROL ON A V4 ROAD IN CHANDIGARH. Deepika Vasudeva, Abhijit Datey, Aviruch Bhatia	The Energy and Resources Institute (TERI) - School of advanced Studies, New Delhi, India
12:05 PM	INTEGRAL MODEL WITH MACHINE LEARNING FOR BALANCING HEAT TRANSFER AND ENERGY GENERATION IN ALGAL BIO-REACTIVE FAÇADES Adham M. Elmalky, Mohamad T. Araj.	University of Waterloo
12:25 PM	IMPLEMENTING SMART CONTROL IN LEGACY ELECTRIC HEATING SYSTEMS TO IMPROVE COMFORT, COST AND LOAD CHARACTERISTICS Andrew Cowie, Jon Hand, Nick Kelly	University of Strathclyde
12:45 PM	BREAK	
<b>1:15 PM</b>	<b>KEYNOTE PROF IAN BEAUSOLEIL MORRISON - Former IBPSA President</b>	Carleton University, Canada
<b>SESSION3</b>	<b>DECARBONISING HOUSING AND POITIVE ENERGY DISTRICTS</b>	<b>Chair: Dr. Nick Kelly</b>
1:45 PM	IDENTIFYING TECHNICALLY FEASIBLE AND EFFECTIVE SOLUTIONS TOWARDS POSITIVE ENERGY DISTRICTS (PEDS) Lucas Verleyen, Louis Hermans, Javier Arroyo, Lieve Helsen	KU Leuven
2:05 PM	MODELLING THE DECARBONATION OF HOUSES FROM STOCK LEVEL TO DETAILED CASE STUDIES Simon Lannon, Ed Green	Cardiff University
2:25 PM	OPTIMISING BUILDING RETROFITS AT THE STOCK LEVEL: THE DEVELOPMENT OF A METHODOLOGY Shyam Amrith, Paul Ruysevelt, Ivan Korolija, Pamela Fennell	University College London
<b>SESSION4</b>	<b>DATA FOR URBAN AND COMMUNITY ENERGY MODELLING</b>	<b>Chair: Dr. Graeme Flett</b>
2:45 PM	MISSING DATA IMPUTATION FOR COMMUNITY ENERGY DEMAND MODELLING Sandhya Patidar, David Jenkins, Andrew Peacock, Ashkan Lotfipor	Heriot Watt University
3:05 PM	REGIONAL-SCALE TYPICAL METEOROLOGICAL YEARS FOR BUILDING STOCK MODELLING Giulio Tonellato, Michaël Kummert	Polytechnique Montréal
3:25 PM	GOMAP – GEOSPATIAL OPPORTUNITY MAPPING TOOL: AN OPEN-SOURCE GIS APPLICATION FOR URBAN SCALE RENEWABLE ENERGY GENERATION Raheal McGhee, Joseph Clarke, Katalin Svehla	University of Strathclyde
3:45 PM	BREAK	
<b>SESSION 5</b>	<b>MODELLING AND SIMULATIING TECHNOLOGIES FOR NET ZERO</b>	<b>Chair: Prof. David Jenkins</b>
4:00 PM	MODELLING AIR-SOURCE HEAT PUMPS IN COLD CLIMATIC CONDITIONS CONSIDERING THE EFFECTS OF FROSTING Siddhartha Gollamudi, Easwaran Krishnan, Hadi Ramin, Gurubalan Annadurai, Carey Simonson	University of Saskatchewan
4:20 PM	PCM WALL SYSTEM ALTERNATIVES PROVIDING SIMILAR THERMAL CONDITIONS WITH TRADITIONAL BUILDING ENVELOPE IN HOT-DRY CLIMATE Merve Kiliç, Assoc. Prof. Dr. Neslihan Türkmenoğlu Bayraktar	Kocaeli University
4:40 PM	A NUMERICAL CFD STUDY ON THE INTEGRATION AND PERFORMANCE ENHANCEMENT OF OSCILLATING AEROFOIL WIND ENERGY CONVERTERS INTO BUILDINGS Katrina Calautit, Cameron Johnstone	University of Strathclyde
5:00 PM	CLOSING REMARKS	Nick Kelly, University of Strathclyde