

Area Name	Session Class	Session No.	Session Name	Date	Time	Room	Chair1	Chair2	ID No.	Abstract Title	First Author	
Area IV: Innovative Bioclimatic Architecture	Invited Lecture	IL-At	Invited Lecture	21-Jun	9:00 - 9:30	311+312	Tsuyoshi Seike (The University of Tokyo, Japan)		1	Invited4-1	Questioning innovation in Bioclimatic Architecture	Cinzia Abbate (AeV Studio Architetti Associati and Temple University)
Area IV: Innovative Bioclimatic Architecture	Oral Session	O-At-1	Technology for Zero Energy House	21-Jun	9:30 - 10:30	311+312	Keiko Hirota (Gifu Academy of Forest Science and Culture, Japan)	Tsuyoshi Seike (The University of Tokyo, Japan)	1	a90811	MEASUREMENT OF ENERGY CONSUMPTION IN A HOUSE WITH SOFC-CGS, SOLAR PHOTOVOLTAIC SYSTEM AND STORAGE BATTERY SYSTEM, AND INSTALLATION EFFECT OF THEM	Tomoyuki CHIKAMOTO (Ritsumeikan University)
									2	a90911	EXPERIMENTAL STUDY OF AN ENERGY INDEPENDENT RESIDENTIAL SYSTEM WITH HEATING LOAD	Takao Kakizaki (College of Engineering, Nihon University, Koriyama, Fukushima, Japan)
									3	a90921	OPTIMIZING ENERGY CONSUMPTION OF ENERGY-INDEPENDENT SYSTEM WITH HEATING LOADS	Takao Kakizaki (College of Engineering, Nihon University, Koriyama, Fukushima, Japan)
									4	a91073	CONSIDERATION ON FORM AND ENERGY EFFICIENCY OF NET ZERO ENERGY HOUSE SUITABLE FOR TRANSPORTATION	Shota Tajima (Graduate School of Engineering, Chiba University, Chiba, Japan)
Area IV: Innovative Bioclimatic Architecture	Oral Session	O-At-2	Technology for Energy Saving House	21-Jun	10:45 - 11:45	311+312	Tomoyuki Chikamoto (Ritsumeikan University, Japan)	Tsuyoshi Seike (The University of Tokyo, Japan)	1	a90012	EVALUATION OF SAVING ENERGY OF SOLAR POWER GENERATION OR FUEL CELL, AND STORAGE BATTERY COMBINED SYSTEM	Takeshi Sase (National Research and Development Agency, Japan, Building Research Institute)
									2	a90869	ENERGY EFFICIENCY OF LOW-COST INSULATION RETROFIT FOR OLD APARTMENT BUILDINGS IN YOKOHAMA	Ineko Tanaka (Institute of Urban Innovation, Yokohama National University)
									3	a91049	ANALYSIS OF ENERGY SAVING BY IMPROVING OF HOUSING EQUIPMENT	Jeongil KIM (Energy and Environment Center, Misawa Homes Institute of Research and Development Co., Ltd., Tokyo, Japan)
									4	a90472	ACHIEVING SUSTAINABILITY IN CONSTRUCTION THROUGH AUTOMATION AND ROBOTICS	Bahriye Ilhan (Faculty of Architecture, Istanbul Technical University, Istanbul, Turkey)
Area IV: Innovative Bioclimatic Architecture	Oral Session	O-At-3	Evaluation System for Building and Landscape	21-Jun	13:30 - 14:45	311+312	Tjerk Reijenga (BEAR-ID BV)	Tsuyoshi Seike (The University of Tokyo, Japan)	1	a90760	CARBON FOOTPRINT EVALUATION & CERTIFICATION SYSTEM FOR BUILDING INDUSTRY – BUILDING, LANDSCAPE AND INTERIOR RENOVATION IN TAIWAN	Hsien Te Lin (Department of Architecture, National Cheng Kung University, Tainan, Taiwan)
									2	a90634	DYNAMIC ENERGY DESIGN INDEX FOR PUBLIC BUILDING ENVELOPE - TAIWAN'S ENVELOPE INDEX SYSTEM	YI RONG CHEN (Department of Architecture, National Cheng Kung University, Tainan, Taiwan)
									3	a90671	COMPONENT DATABASE SYSTEM FOR INTERIOR RENOVATION CARBON FOOTPRINT EVALUATION	Shan Chun Huang (Department of Architecture, National Cheng Kung University, Tainan, Taiwan)
									4	a90202	ENERGETIC AND CARBON COSTS OF URBAN GREENERY: FUTURE OF GREENERY IN OUR CITIES	Iryna Borys Bohoshevych (Department of Architectural Design, University of Kitakyushu)
									5	a90209	RESCUE THE VANISHING VERNACULAR DWELLING IN GULLY REGION OF LOESS PLATEAU, CHINA	Tao Zhang (Department of Architecture, University of Kitakyushu, Kitakyushu, Japan)
Area IV: Innovative Bioclimatic Architecture	Oral Session	O-At-4	Zero Energy Building and BIPV	21-Jun	15:00 - 16:45	311+312	Tsuyoshi Seike (The University of Tokyo, Japan)	Jiro Ohno (The Solar Design Consortium, Japan)	1	a90232	STUDY OF THE STOCK BUILDING RENOVATION FOR NET-ZERO ENERGY BUILDING	Hiroki KAWAKAMI (Design Department, TAKENAKA CORPORATION, Tokyo, Japan)
									2	a90299	DEVELOPMENT AND VERIFICATION OF AN OFFICE SYSTEM THAT IMPROVES ENERGY SAVING AND INTELLECTUAL PRODUCTIVITY(REPORT ON THE AICHI STEEL HEAD OFFICE	Ryoutarou Ishibashi (Takenaka Corporation)
									3	a90447	EVALUATION AND OPERATIONAL PERFORMANCE OF ZEBINTRODUCING WOODY BIOMASS AND GROUNDWATER	Tomohisa Takebe (Nihon sekkei, Inc.)
									4	a90776	Using IoT to understand occupant thermal preferences in large open plan offices	Georgios Kokogiannakis (Sustainable Buildings Research Centre (SBRC), University of Wollongong, Australia)
									5	a90401	SWITCHING PROPERTIES OF SWITCHABLE MIRRORS OF Mg-Y COVERED WITH Pd-Ru CATALYTIC LAYERS FOR SMART WINDOWS	Yasusei Yamada (AIST, Japan)
									6	a91164	THERMAL PROPERTIES FOR BIPV IN GLASS FAÇADE EXPERIMENTAL RESULTS OF THERMAL TRANSMITTANCE AND SOLAR HEAT GAIN COEFFICIENT FOR CRYSTAL SILICON PV MODULE	Hisashi Ishii (Advanced Technology Lab., Technology Research Div., LIXIL Corporation, Tokyo, Japan)
									7	a91165	EXPERIMENTAL STUDY ON BIPV MODULE OF CLOSED CIRCUIT SITUATION EXPOSED TO FIRE	Hisashi Ishii (Advanced Technology Lab., Technology Research Div., LIXIL Corporation, Tokyo, Japan)
Area IV: Innovative Bioclimatic Architecture	Oral Session	O-At-5	Vernacular Architecture	22-Jun	9:30 - 10:30	311+312	Takashi Asawa (Tokyo Institute of Technology, Japan)	Tsuyoshi Seike (The University of Tokyo, Japan)	1	a90373	ENERGY SAVING EFFECTS OF PASSIVE COOLING METHODS FOR RESIDENTIAL BUILDINGS IN VIETNAM	Qingyuan Zhang (Institute of Urban Innovation, Yokohama National University, Yokohama, Japan)
									2	a90397	EVALUATION OF SEASONAL INDOOR ENVIRONMENT: THE CASE STUDY OF TEMPORARY SHELTERS BUILT IN NEPAL AFTER MASSIVE EARTHQUAKE 2015	Rita Thapa (Graduate School of Environmental and Information Studies)
									3	a90394	ADAPTIVE THERMAL COMFORT IN NATURALLY VENTILATED SCHOOL BUILDINGS IN TEMPERATE CLIMATE OF NEPAL	Mishan Shrestha (Tokyo City University, Japan, Graduate school of environmental and information studies)
									4	a90672	CONCEPT OF SOLAR BUFFER SPACES IN MODERATE CLIMATE	Dorota Anna Chwieduk (Institute of Heat Engineering, Faculty of Power and Aeronautical Engineering, Warsaw University of Technology, Warsaw, Poland)
Area IV: Innovative Bioclimatic Architecture	Oral Session	O-At-6	Passive Technology	22-Jun	10:45 - 12:00	311+312	Masayuki Ichinose (Tokyo Metropolitan University, Japan)	Tsuyoshi Seike (The University of Tokyo, Japan)	1	a90030	THERMAL STUDY OF CLAY BRICKS REINFORCED BY THREE ECOLOGICAL MATERIALS IN SOUTH OF MOROCCO	Najma LAAROUSSI (Mohammed V University in Rabat, EST de Salé, MEAT-LASTIMI, Salé, Morocco)
									2	a90330	A PERVIOUS TO LIGHT EAVES DESIGN OF THE TRADITIONAL SLOPE ROOF	Zhao Yuan Xin (Northwestern Polytechnical University)

GRE2018 Preliminary Program

*presentation numbers will be assigned later in the final program

Area Name	Session Class	Session No.	Session Name	Date	Time	Room	Chair1	Chari2	ID No.	Abstract Title	First Author	
									3	a90720	INFLUENCE OF ROOF STRUCTURE ON THE INDOOR THERMAL ENVIRONMENT OF RURAL HOUSES IN NINGQIANG REGION	Qiubo Xiao (Sustainable Building and Environmental Research Institute, Northwestern Polytechnical University, Sian, Shaanxi, China)
									4	a90626	DEVELOPMENT OF HEAT TRANSFER MODEL OF A PASSIVE COOLING LOUVER FOR MICROCLIMATE SIMULATION	Yukari Hirayama (Energy and Environmental Center, Misawa Homes Institute of Research and Development, Japan)
									5	a91048	PASSIVE COOLING METHOD TO IMPROVE MICROCLIMATE FOR NATURAL VENTILATION OF A HOUSE DURING SUMMER	Maria Alejandra Del Rio (Tokyo Institute of Technology)
Area IV: Innovative Bioclimatic Architecture	Poster Session	P-At	Innovative Bioclimatic Architecture	21-Jun	12:45 - 13:45	foyer			1	a90248	PRACTICAL APPLICATION OF NATURAL ENERGY UTILIZING DEVICES TO A DEMONSTRATIVE WOODEN HOUSE THAT FIT TO THE JAPANESE PACIFIC SIDE CLIMATE — A PIONEERING EXAMPLE OF A NET ZERO	Fujinori Hanawa (Department of Forest Resource Chemistry, Forestry and Forest Products Research Institute, Tsukuba, Japan)
									2	a90263	EVALUATION OF DESICCANT SYSTEM REGENERATED BY ROOF MATERIALIZED PHOTOVOLTAIC SYSTEM INTEGRATED WITH SOLAR HEAT COLLECTING FUNCTION	Rihito Sato (Misawa homes Institute of R & D Co., Ltd., Tokyo, Japan)
									3	a91106	PERFORMANCE EVALUATION OF HIGHLY INSULATED PLUS ENERGY HOUSE IN TOHOKU REGION OF JAPAN	Rie Takaki (Department of Life Design for Safety and Amenity, Tohoku Institute of Technology, Sendai, Miyagi, Japan)
									4	a91127	ESTIMATION OF MAXIMUM SIMULTANEOUS ELECTRIC ENERGY CONSUMPTION FOR ENERGY EFFICIENT SOLAR POWERED HOUSE	Satoko Nasu (Chiba University, Graduate School of Engineering, Chiba, Japan)
									5	b90046	PROPOSAL OF FEED FORWARD TYPE COOPERATIVE CONTROL METHOD IN ORDER TO REDUCE MUTUAL INTERFERENCE OF AIR CONDITIONING INDOOR UNITS	Yuga Urata (The University of Kitakyushu, Fukuoka, Japan)
									6	b90047	Proposal of Optimal Control Method for Radiation Cooling and Heating using Building Thermal Storage	Youhei Ogawa (University of Kitakyushu, Fukuoka, Japan)
									7	b90048	REGRESSION ANALYSIS OF WORKER'S HEALTH, WORK PERFORMANCE AND WORK ENVIRONMENT BASED ON WEB QUESTIONNAIRE SURVEY	Yuko Abe (The University of Kitakyushu)
									8	b90051	Study on hygrothermal behavior and humidity control method in the crawl space of floor insulated house	Yoshiki Sato (Graduate School, Kogakuin Univ)
									9	b90060	APPLICABILITY ANALYSIS OF RESIDENTIAL ENERGY STORAGE SYSTEM(ESS) USING HOMER IN KOREA	Jiyoung Eum (Green Building Research Center, Department of Living and Built Environment Research, Korea Institute of Civil Engineering and Building)
									10	a90119	PARTIAL INSULATION RENOVATION PROJECT AT JAPANESE TRADITIONAL WOODEN HOUSE	Shushi Doi (Faculty of Contemporary Business, Kyoto Tachibana University, Kyoto, Japan)
									11	a90399	STUDY ON DESIGN SPECIFICATION TOWARD ZEB FOR OFFICE BUILDING IN SNOWY COLD CITIES	Shingo Konoshita (Taisei Corporation, Tokyo, Japan)
									12	a90304	OPTIMIZATION OF BUILDING LAYOUT BASED ON THE INFLUENCE OF EXTERIOR WIND ENVIRONMENT ON INDOOR WIND ENVIRONMENT-- TAKE HENAN UNIVERSITY OF SCIENCE AND TECHNOLOGY AS AN	Yanfei Wang (Department of Architecture, Henan University of Science and Technology, Luoyang, China)
									13	a90113	ACTUAL RESULTS OF NEWLY CONSTRUCTED ZERO-ENERGY-HOMES DISTRICT	Isamu Ohta (Misawa Homes Institute of Research and Development Co., Ltd. Tokyo, Japan)
									14	a90071	STUDY ON THE IMPROVEMENT OF ARCHITECTURAL LAYOUT IN URBAN SHOPPING DISTRICT BASED ON THERMAL ENVIRONMENT ANALYSIS	Ma Di Xuan (School of Human Settlements and Civil Engineering, Xi'an Jiaotong University, Xi'an, China)
									15	a90142	LOW-TEMPERATURE CHEMICAL FABRICATION OF GASOCHROMIC SWITCHABLE FILMS FOR ENERGY-SAVING	Kaori Nishizawa (National Institute of Advanced Industrial Science and Technology (AIST))
									16	a90310	MINI LOUVERS PERFORMANCE OF BUILDING COOLING LOAD ENERGY REDUCTION	Alexander Rani Suryandono (Faculty of Environmental Engineering, The University of Kitakyushu, Japan)
									17	a90481	THERMORESPONSIVE SMART WINDOWS USING LIQUID CRYSTAL COMPOSITES	Hiroshi Kakiuchida (Structural Materials Research Institute, National Institute of Advanced Industrial Science and Technology, Nagoya, Japan)
									18	a91059	EXAMINATION OF THERMAL CONTROLLABILITY OF AIR FLOW SYSTEMS IN ROOF STRUCTURES	Yoshio Ikemura (I-REC Co., Ltd., Utsunomiya, Japan)