	10 October 2016, Conference Day 1			10 October 2016. Conference Day 1				
10:00 Opening: Andreas Hempel, International Academy of Architects; former President Association of German Architects BDA								
10:45 PV Façades: Design, Technologies, Visions Session A1 Chair: Christian Renken, CR Energie, Switzerland	10:45 Building Retrofits: Analysis, Strategies and Policies Session B1 Chair: Giovanni Zemella, Ove Arup & Partners, London, United Kingdom	10:45 3D Printing of the Building Envelope Session C1 Chair: Alireza Borhani, Dep. of Architecture, Texas A&M University, USA	10:45 Façade Integrated HVAC components Session D1 Chair: Matteo D'Antoni, EURAC, Bolzano, Italy Bellavista 2 Pagade State S	10:45 Innovative Products and Technologies for the Building Skin Bellavista 5 Chair: Valentina Puglisi, Politecnico di Milano, Italy	10:45 Entwurf der Gebäudehülle unter Session F1 Nachhaltigkeitsaspekten Luna Chair: Andreas Hempel, International Academy of Architects			
Solar building skin: A dedicated architecture JD Steenackers, Sunsoak design & architecture, Brussels, Belgium Innovative design solutions for BIPV David Müller, Merck KGaA, Darmstadt, Germany Affordable BIPV - dream or reality? Dieter Moor, Ertex Solar, Austria Enhancing the visual design of PV-modules for façade application acceptance Peter Fornaro, University of Basel, Switzerland Technical requirements of PV components for BIPV Urs Muntwyler, Bern University of Applied Sciences, Switzerland Integrated PV as an added value of façades Christian Renken, CR Energie, Switzerland	Sustainable renovation and energy supply of historical districts: a Swiss case study Claudio Menu, University of Applied Sciences and Arts Northwestern Switzerland Fabric energy efficiency ratio: a new parameter as a nudge to push the boundaries of building refurbishment Giovanni Zemella, Ove Arup & Partners, London, United Kingdom Energetic refurbishment of building skins Lionel Rinquet, Stefanie Schwab, HES-SO, Geneva, Switzerland	Bio-inspired 3D printed kinematic responsive systems Correa, Institute for Computational Design (ICD), Stuttgart, Germany 3D printed flexible structures as self-transformable surfaces Alireza Borhani, Department of Architecture, Texas A&M University, USA Industrial 3D printing in the building industry Tobias King, voxeljet AG, Friedberg, Germany	Facade integrated HVAC systems for the renovation of residential buildings David Venus, AEE - Institute for Sustainable Technologies, Gleisdorf, Austria Active roofs and facades Vicke Aagesen, Cenergia, Denmark Prefabricated timber-frame envelopes for building retrofit with integrated ventilation, heating system and building services Sebastian Hernandez, Gumpp & Maler, Germany; Fabian Ochs, University of Innsbruck, Austria Integration of a sorption collector coupled with a decentralized mechanical ventilation unit in curtain wall modules D'Antoni Matteo, EURAC, Bolzano, Italy Daylight-driven and user-centered lighting and energy management Wilfried Pohl, Bartenbach GmbH, Austria	Aerogel glazing units for high performance building envelopes Tao Gao, Norwegian University of Science and Technology, Norway Sustainable bioplastics-based cladding Daniel Friedrich, Lucerne University of Applied Sciences, Switzerland Multiple requirements combined in a curved single skin unitized façade with fiberglass reinforced plastic Christiaan de Wolf, DGMR Bouw BV, Den Haag, Netherlands High-performance smart textiles for tensile structures Pieter Heyse, Centexbel, Belgium Passive Infrared Night Cooling (PINC) at the Energy Efficiency Center Michaela Reim, ZAE Bayern, Würzburg, Germany Brief Presentations: Innovative materials for refurbishment of the building envelope Renata Morbiducci, University of Genova, Italy	Prototypen in der Architektur von Theo Hotz Peter Berger, Theo Hotz Partner Architekten, Zürich, Switzerland Energetische Optimierung der Unterkonstruktionen von vorgehängten hinterülteten Fassaden (VHF) Ulrich Möller, HTWK Leipzig University of Applied Sciences, Germany Klimaregulierende und solar-aktive Gebäudehüllen bei ganzheitlicher Planung von Gebäuden und Quartieren Eileen Meyer, Eileen Meyer Architetto, San Felice, Italy Beschleunigungsfaktoren im Alterungsprozess von PV-Fassaden Julian Firges, Fraunhofer IWES, Kassel, Germany Reduzierung der Wärmebrücken von Tiefgaragendecken Christoph Greyer, Berner Fachhochschule, Switzerland Gesamtenergetische Gebäudeoptimierung im Spannungsfeld zwischen gesetzlichen Vorgaben und Praxis Moritz Zwahlen, Gruner Roschi AG, Köniz, Switzerland			
12:30	Lunch		1	Lunch	I			
14:00 Designing PV-Façades for Optimized Performance Session A2 Chair: Dieter Moor, Ertex Solar, Austria Bellavista 5 Performance	14:00 Products and Technologies for Building Session B2 Refurbishment 1 Bellavista 3+4 Chair: Wolfram Sparber, Eurac Research, Bolzano, Italy	14:00 Advanced Building Skin Design 1 Session C2 Chair: Russell Gilchrist, Gensler, Chicago, USA	14:00 Session D2 Orione Bio-inspired Materials + Technologies for the Building Skin Chair: Anders Nereim, School of the Art Institute of Chicago	14:00 Architectural Membranes for High-performance Session E2 Building Skins Bellavista 2 Chair: Stefan Lehnert, Vector Foiltec GmbH, Germany	14:00 Schlanke Fassaden aus hochwertigem Textilbeton Session F2 Chair: Christian Kulas, solidian GmbH, Germany			
Building envelope design to maximize PV performance Daniel Mateus, University of Lisbon, Portugal Glass-glass photovoltaic modules for BIPV applications Max Mittag, Fraunhofer ISE, Freiburg, Germany Performance-based design concept for curved glass BIPV façades Nebojas Jakica, Politecnico di Milano, Italy Exceptional BIPV application in Saudi Arabia Heribert Ley, Sunovation, Germany Efficient, flexible and affordable BIPV systems and their applications Radel Stadelmann, Solarmarkt GmbH, Aarau, Switzerland Brief Presentations: Solar electric powered heat pump to generate hot water in façades Raphael Knecht, ZHAW School of Engineering, Winterthur, Switzerland Results with a BIPV implementation in a passive house Cristina Tanasa, Politenica University Timisoara, Romania Dynamic solar shading technologies for application in Energy Frames Antonio Mollicone, Faculty for the Built Environment, Iklin, Malta Aesthetics, Economy and Functionality: The PV roof by Designergy Daniel Lepori, DesignEnergy, Switzerland	Prefabricated façade modules with integrated ventilation René Kobier, University of Applied Sciences and Arts Northwestern Switzerland Airtight retrofits for improving insulation performance in multiple dwelling houses Fumiaki Takahashi, Takyo University of Science, Japan Retrofitting historic buildings: The case of architectural faculty buildings in Istanbul Seda Nur Alkan, Istanbul Technical University, Turkey Multi-angled façade system for office building renovation Loay Hannoudi, Aarlborg University, Denmark Brief Presentations: Tropical retrofit - the case of São Paulo, Brazil Cristina Cavalcanti, Universidade Presbiteriana Mackenzie, São Paulo, Brazil	Methods and technologies for advanced building skin design Fabian Schmid, seele GmbH, Gersthofen, Germany Advanced performances and construction processes with parametrical design - The Generali Tower, Milan Paolo Zilli, Zaha Hadid Architects, London, United Kingdom Adapting façade design to different climatic zones Russell Gilchrist, Gensler, Chicago, USA Self-supporting free-form structures made of individual sheet metal panels Thorsten Pofahl, RWTH Aachen University, Germany Innovative building skins engineered - Recent projects in the USA Wilfried Laufs, Laufs Engineering Design, Long Island City, NY, USA	Leaf veneration patterns to regulate translucent exothermic material Mark Alston, University of Salford, United Kingdom Load-responsive skin systems for lightweight architecture Roberto Naboni, Politecnico di Milano, Italy Strategies and possible applications scenarios for bio-inspired building envelopes Enes Yasa, NEU, Konya, Turkey Biomimicry in architecture: Effect of responsive autonomous architectural envelopes on energy efficiency Hicham Hadbaoui, Laboratoire Architecture Bioclimatique et Environnement (ABE), Elhamel, Algeria	ETFE envelopes for the building sector Paolo Beccarelli, University of Nottingham, United Kingdom ETFE vs. glass cladding: Environmental, social and economic sustainability Carl Maywald, Vector Foiltec GmbH, Bremen, Germany Acoustic comfort in atria covered by ETFE and glass claddings Monika Rychtarikova, KU Leuven, Belgium Influence of acoustic membrane on sound and thermal properties of building façade panels Fin O'Flaherty, Sheffield Hallam University, United Kingdom Liquid applied breathing weather barrier membranes Luc Peeters, Oevel-Westerlo, Belgium Lightweight tensile structure form finding Eugene Popov, Nizhegorodsky State Architectural University, Russia Brief Presentations: Effect of a membrane roof on solar radiation and thermal environment of a railway platform Junta Nakano, Tokai University, Japan	Neue Anwendungsmöglichkeiten im Betonbau durch Textilbeton Ali Shams, solidian GmbH, Albstadt, Germany Schlanke Fassadenelemente aus textilbewehrtem Hochleistungsbeton und deren Tragverhalten Sergej Rempel, RWTH Aachen, Germany Neue Gestaltungsmöglichkeiten durch Textilbetonsandwichkonstruktion Dominik Wirtgen, Fischer Architekten GmbH, Mannheim, Germany Das versteinerte Holzhaus in Fläsch Daniel Lader, Bearth & Deplazes Architekten AG, Switzerland Möglichkeiten in der Herstellung filigraner Fassaden Johannes Schneider, Sulser AG, Switzerland			
15:30	Coffee break			Coffee break				
16:00 Evaluating the Performance of PV Façades Session A3 Chair: Monika Hall, University of Applied Sciences Northwestern Bellavista 5 Switzerland	16:00 Products and Technologies for Building Session B3 Refurbishment 2 Bellavista 3+4 Chair: Wolfram Sparber, Eurac Research, Bolzano, Italy	16:00 Advanced Building Skin Design 2 Session C3 Chair: Negar Kalantar, Dep. of Architecture, Texas A&M Arena University, USA	16:00 Development, Design and Impact of Living Building Session D3 Envelopes Orione Chair: Garth Rockcastle, University of Maryland, USA	16:00 Session E3 Bellavista 2 Building Envelopes with Wood and Wood Composites Chair: Zhenjun Ma, University of Wollongong, Australia	16:00 Thermal and Structural Properties of PCM-Concrete Session F3 Luna Chair: Dervilla Niall, Trinity College, Dublin, Ireland			
 Performance analysis of a multi-colored BIPV system Faik Dorusch, University of Applied Sciences and Arts Northwestern Switzerland, Multenz, Switzerland Evaluating a BiPV sun-shading system with various software and methods Marco Lovati, EURAC, Bolzano, Italy Net-zero energy balance for high-rise buildings Monika Hall, University of Applied Sciences and Arts Northwestern Switzerland Whole building energy analysis of a BIPV curtain wall World Parys, KU Leuven, Heverlee, Belgium Performance analysis of the ZigZagSolar BIPV façade system Roland Valckenborg, Solar Energy Application Centre (SEAC), Eindhoven, Netherlands New paradigm to reduce the capital expenditure for façades Laurent Quittre, ISSOL, Belgium 	An adaptable module for the renovation of residential buildings Paolo Basso, D'Appolonia, Genova, Italy Spandrel integrated air-based BIPV/T system for façade retrofits Edvinas Bigaila, Concordia University, Montreal, Canada Textile based systems to improve the energy efficiency of listed buildings Elisabetta Rosina, Politecnico di Milano, Italy Ventilated façade retrofitting system with an embedded energy storage system Paul Bonnamy, NOBATEK, Anglet, France Passive window ventilation openings for building refurbishment Caroline Hoffmann, University of Applied Sciences and Arts Northwestern Switzerland	Design strategies associated with transformability in building skins Negar Kalantar, Department of Architecture, Texas A&M University, USA Technical constrains and strategies for building envelope design Raul Corrales Marcos, Bureau d'Ingénieurs Fenétres & Façades SA, Switzerland Dynamic simulation software as a design tool Innovative organic building materials Rosalie Menon, Mackintosh School of Architecture, Glasgow, United Kingdom Dynamic simulations of different façade designs Sabina Jordan, Slovenian National Building and Civil Engineering Institute, Slovenia Physical mesh data structures for building skins Ergun Akleman, Department of Visualization, Texas A&M University, USA	Vertical gardens François-Xavier Jacquinet, Geraldine Choppin de Janvry, tracer urban nature, Saint Apollinaire, France Comparing roof cases in relation to their energy consumption in two climates Hind Zaki, AAST, Alexandria, Egypt Vertical greenery systems as building skin to provide urban ecosystem services Gabriel Pérez, University of Lleida, Spain Improving air quality and building thermal behaviour: monitoring the performances of a green wall Adriano Magliocco, University of Genova, Italy	Implementing hygromorphic wood composites into responsive building skins Artem Holstov, Newcastle University, United Kingdom Strategies to extend the durability of wooden façades Huizhang Guo, ETH Zürich, Switzerland Digital tectonics and dynamics in designing of wooden architecture envelopes Michal Golański, University of Zielona Góra, Poland Hygrothermal and mould growth-related analysis of typical Finnish log-house envelopes Antti Haapala, University of Eastern Finland, Joensuu, Finland Long span self-supporting wood-based compact façade system Marcus Schiere, Bern University of Applied Sciences, Switzerland Refurbishment of a typical Australian fibro house Zhenjun Ma, University of Wollongong, Australia Brief Presentations: Winter season protection of envelope bottom timber plate Filip Fedorik, University of Oulu, Finland	Effect of microencapsulated PCM in textile-reinforced concrete panels Myriam Bahrar, École Nationale des Travaux Publics de l'État, Lyon, France Influence of ground granulated blast furnace slag on the thermal properties of PCM-concrete composite panels Dervilla Niall, Trinity College Dublin, Ireland The mechanical behavior of geopolymer and Portland cement concrete with micro-encapsulated PCM Shima Pilehvar, Østfold University College, Halden, Norway Energy management of double layer shape-stabilized PCM wallboards in office buildings Na Zhu, Huazhong University of Science and Technology, Wuhan, China			
17:30 End of Conference Day 1								

	11 October 2016, Conference Day 2			11 October 2016, Conference Day 2		
08:30 New Design Possibilities for Solar Facades: Colored 08:30 Holistic Approach to Sustainable Architecture 08:30 Parametric Design for Sustainable Architecture 08:30 Window Design for Sustainable Building Skin						
Session A4 Arena Chair: Pierluigi Bonomo, Swiss BIPV Competence Center	Session B4 Bellavista 5 Germany Chair: Udo Dietrich, HafenCity University, Hamburg, Germany	Session C4 Bellavista 3+4 Chair: Mitsuhiro Udagawa, Prof. Emeritus, Kogakuin University, Japan	Session D4 Chair: Urs Uehlinger, Bern University of Applied Sciences, Bellavista 2 Switzerland	Session E4 Orione Chair: Feride Şener Yılmaz, Istanbul Technical University, Turkey	Session F4 Vivace 3+4 Chair: Zhenjun Ma, University of Wollongong, Australia	
Current Building-Integrated Photovoltaic (BIPV) technologies Pierluiai Bonomo, Swiss BIPV Competence Center, Cannobio, Switzerland	Grey energy versus economy Marvin King Lucerne University of Applied Sciences and Arts Switzerland	Optimization methods applied to glazing façades for sustainable buildings	Impact of window design on building energy consumption	3D dielectric compound parabolic concentrator for daylight control Mena TIAN University of Nottingham United Kingdom	Composite building material with hydraulic-binder incorporating PCM Thibault Hadé Université de Ceray-Pontoise Neuville-sur-Oise France	
New design flexibility for BIPV façades	Asymmetric perception of different stakeholders on Sustainable and	Clara Vite, University of Genova, Italy	Noise management through automated window systems	Sustainable design and energetic refurbishment	Thermo-regulating bricks based on shape-stabilized PCM	
Electricity production with colored BIPV modules	Rita Yi Man Li, Director, Sustainable Real Estate Research Center, Shue Yan	Wodula' façade kit system for Net Zero Energy settlements Wen Pan, Technical University of Munich, Germany	Reinforced, insulated glazing for large windows	Antonio Basti, University of Chieti, Pescara, Italy Advanced louver system design for daylight utilization	Angel Serrano Casero, University of Castilia - La Mancha, Ciudaa Real, Spain Small greenhouse cells and PCM for building skins	
Thomas Weber, Photovoltaic Institute Berlin, Germany	Environmental impacts of high and low tech office buildings	A parametric design approach to building integrated solar collectors Simone Giostra, Politecnico di Milano, Italy	Maurice Brunner, Bern University of Applied Sciences, Switzerland	Feride Şener Yılmaz, İstanbul Technical University, Turkey	Gert Guldentops, Worcester Polytechnic Institute, USA	
Juras Ulbikas, Applied Research Institute for Prospective Technologies, Vilnius Lithuania	Laura Tschümperlin, Treeze Ltd., Uster, Switzerland	Parametric System	Andreas Masuch, Bern University of Applied Sciences, Switzerland	Andreas Freutsmiedl, Nowofol, Germany	collector Mohammed Imroz Sobel University of Wollongong Australia	
	buildings in Nordic climate Itai Danielski, Mid Sweden University, Östersund, Sweden	Form finding of integrated PV on organic horizontal building	Thermal properties of access systems in field trials Urs Uehlinger, Bern University of Applied Sciences, Switzerland	Feststehendes Sonnenschutzsystem für Uberkopfverglasungen Daniel Kleineher, kleineher+partner, Saarbrücken, Germany	Cooling ceilings with PCM in the Energy Efficiency Center	
	Nachhaltige Gebäudehüllen im klimatischen und kulturellen Kontext	Firza Utama, Sjarifudin Bina, Nusantara University, Jakarta, Indonesia	Standard for testing access control systems Wolfgang Rädle, Bern University of Applied Sciences, Switzerland	Brief Presentations: Energieeffiziente Raumbeleuchtung durch Tages- und Kunstlicht	Selection of building materials with Solene-microclimat	
10:00	Coffee break			Michael Jakubowsky, TU Dortmund, Germany	Bisam Al-Hafiz, École Nationale Supérieure d'Architecture de Nantes, France	
10.00	1045 Design Methods for Sustainable High performance	10.45 Duilding Information Modeling (DIM) for Sustainable	10:45 Intelligent Classed Encodes for Dynamic Daulisht	10:45 Integrating Selay Thermal Sustame into the Puilding	10:45 Duilding Envelopes as Thermal Stevense	
Arena Chair: Björn Rau, Helmholtz Research Center, Berlin, Germany	Session B5 Bellavista 5 Chair: Anders Nereim, School of the Art Institute of Chicago	Building Design Bellavista 3+4	Session DS Control Bellavista 2 Chair: Michele Manca, Italian Institute of Technology	Session E5 Orione Chair: Roberto Garay Martinez, Tecnalia, Spain	Chair: YUAN Yanping, Southwest Jiaotong University, China	
Increasing flexibility of PV-module production for BIPV	Methodology and evaluation of wind energy harvesting devices	Green BIM to achieve Passivhaus standards Mohamed Mohsen, Engineering Consultants Group, Dohg, Ogtar	Electrochromic materials utilized for smart window applications Biorn Petter Jelle Norwegian University of Science and Technology	Architectural integration and design of solar thermal system	Heat performance enhancement of PCMs for building skins	
Practical challenges for BIPV systems with several module	David Serero, Serero Architectes Urbanistes, Paris, France	Building skins as BIM objects - potential and limitations of present	Norway	Integrated Solar thermal systems for renovation of external walls	Optimum thermal mass and insulation configuration	
orientations Johannes Eisenlohr, Fraunhofer ISE, Freiburg, Germany	rign periormance skin meets a dramatic climatic environment Randy McGee, ZGF Architects LLP, Portland, USA	tecnnoiogies Elena Pla, ITeC, Barcelona, Spain	innovative giazing with gynamic solar heat gains Andreas Schüler, EPFL, Switzerland	Roberto Garay Martinez, Techalia, Spain Design and construction of a novel building envelope cladding with	Alaam Kelliy, Queen's University, Belfast, United Kingdom Using fatty acids for developing thermal energy storage materials	
Applying the lessons learnt from PV roof-intergration to facades Patrick Hofer-Noser, Meyer Burger AG, Switzerland	Facing the façade's growing complexity: the work of Peter Zumthor Jean-Sébastien Mouthuy, University of Louvain-La-Neuve, Brussels, Belgium	BIM for multi-system integrated double-skin façades in different life-cycle stages	New developments in dynamic glass for enhanced daylight control Eloïse Sok, Vetrotech Saint-Gobain, Paris, France	integrated pipework Paul Bonnamy, Nobatek, France	Anna Szczotok, Østfold University College, Halden, Norway Design characteristics of building integrated thermal energy storage systems	
Customization of PV to the needs of the building skin Stefan Haas, Forschungszentrum Jülich, Germany	Brief Presentations: Envelope requirements in the Egyptian energy conservation code	Yehao Song, Tsinghua University, Beijing, China	Energy performance assessment of a near-infrared selective dynamic glazing	Experimental validation of a new climate-adaptive façade panel Olivier Flechon, CEA LITEN, France	Navid Ekrami, Ryerson University, Richmond Hill, Canada	
Mosaic modules for improved BIPV design options	Sally Eldeeb, Arab Academy for Science & Technology, Alexandria, Egypt		Elisa Moretti, University of Perugia, Italy	New high-performance solar air-heating façade technology	Xinhua Xu, Huazhong University of Science & Technology, Wuhan, China	
BIPV: Balancing aesthetics and technology	Guodal rassive Bultung Courter Guenther Gantioler, Passive House Institute Italy		Lorenza Bianco, Politecnico di Torino, Italy	Kichara Hall, Energy Hanskions Einneed, Fontyphaa, Ontea Kingaom	Brief Presentations: Thermal performance of a roof with PCMMin Hee Chung, Chung-Ang University,	
Jochen Weick, Avancis GmbH, Torgau, Germany Next generation BIPV: The Grosspeter Tower, Basel	eHome - A franchise model for passive house Fabio Baldo, AAKHON, Italy		Solar control mechanisms for enhanced thermal comfort and daylight control of a fully glazed space		Seoul, South Korea Study of solar cooling through PCM buildings applicationsHabib	
Christoph Schmidt, Manz CIGS Technology GmbH, Germany			Turns Foliazis, ACC Glas, Sweden		Sammouda, University of Sousse, Tunisia	
12:30	Lunch			Lunch		
14:00 Active Interfaces: Large-scale PV Integration into Session A6 Urban Renewal Processes Arena Chair: Stephen Wittkopf, Lucerne University, Switzerland	14:00 Building Design Optimization Session B6 Chair: Fabian Ochs, University of Innsbruck, Austria Bellavista 5 Chair: Fabian Ochs, University of Innsbruck, Austria	14:00 Adaptive Building Skins Session C6 Chair: Andreas Hempel, International Academy of Bellavista 3+4 Architects	14:00 Glass in Advanced Building Envelopes Session D6 Sebastian Thieme, Jansen AG, Switzerland Bellavista 2 Sebastian Thieme, Jansen AG, Switzerland	14:00 Prefabrication of Façade Elements Session E6 Chair: Michael Garrison, University of Texas at Austin, USA Orione Orione	14:00 Smart Windows for Energy Production and Saving Session F6 Chair: Elisa Moretti, University of Perugia, Italy	
Novel transformative design for PV modules: the infinite possibilities for powering building and cities	Improving integrated building design with early design simulations Vladimir Jovanovic, io-consultants, Heidelberg	A framework for building with adaptive ability Bart Janssens, University of Hasselt, Diepenbeek, Belgium	Integrated design process of a glazed roof in Liege (Belgium) Pierre Lomba, VK Architects & Engineers, Merelbeke, Belgium	The rationalization of construction and assembly Gordon Murray, Ryder Architecture, Glasgow, United Kingdom	Design and development of smart solar concentrators for building integrated PV façades	
Advanced architectural integration of BIPV in renovation projects	Building design process: design oriented or comfort oriented? Udo Dietrich, HafenCity University Hamburg, Germany	Performative integrative façades: from design research to built practice	Aerogel insulated glass with superior thermal performance for daylighting	Sandwichelemente Scholeh Abedini, Technische Universität Darmstadt, Germany	Zero Energy Buildings (ZEB) and smart windows: current developments	
Emmanuel Rey, Ecole Polytechnique Fédérale de Lausanne, Switzerland Real estate owners' preferences for BIPV	Parametric optimization of frit patterns, self-shading, and wind resistance in tall buildings	Roman Kristesiashvili, UNStudio, Amsterdam, Netherlands Structural and architectural integration of adaptive PV modules	Pierre Olivier Cuche, Solarwall SA, Switzerland Design and manufacturing of glass papels for curvilinear building	Advanced façade prefabrication in cross-laminated timber buildings	and future perspectives Marco Casini, Sapienza University of Rome, Italy	
Hans Christoph Curtius, University of St. Gallen, Switzerland	Anders Nereim, School of the Art Institute of Chicago, USA	Prageeth Jayathissa, ETH Zürich, Institute of Technology in Architecture	envelopes Krystyna Januszkiewicz. West Pomeranian University of Technoloav in Szczecin.	Timber based prefabricated façade elements for building refurbishment	Solution-processed polymer photovoltaic-powered smart windows Fenalina Zhana. Linköpina University. Sweden	
Christian Roeske, University of Lucerne, Switzerland	method for creating a standard office plan based on the representative floor area Miki Kangmori Tukuy University of Science, Japan	Adaptive raçades in temperate climates: An in-use assessment of the MediaTic Building, Barcelona Miron Juristi University of Neuvera Pamelona, Spain	Póland	Repairurraide, lechnische Universität Munchen, Germany An energy-efficient prefabricated double-skin façade	Nanotechnology based glass lamination and coatings for energy	
Coloured Photovoltaics Stephen Wittkopf, Üserhhus, Switzerland	wiki kunumon, tokyo oniversity of science, supun	Comparing the performance of climate adaptive façades with static	Veneta Novakova, ETEM Bulgaria S.A, Sofia, Bulgaria	Yehao Song, Tsinghua University, Beijing, China A zero net energy, zero net water and carbon neutral house	Rick Orlando, Brite Solar Inc., USA	
		façades Eve Farrugia, University of Malta, Msida, Malta		Michael Garrison, University of Texas at Austin, USA		
15:30 Coffee break						
16:00 Photovoltaics on Architectural Membranes Session A7 Chair: Jianhui Hu, Shanghai Jiao Tong University, China Arena Chair: Jianhui Hu, Shanghai Jiao Tong University, China	16:00 Building Energy Performance Simulation Session B7 Bellavista 5	16:00 Kinetic Building Skins Session C7 Chair: Sandra Persiani, Sapienza University of Rome, Italy Bellavista 3+4 Chair: Sandra Persiani, Sapienza University of Rome, Italy	16:00 Effects of Glare off Glass and PV on Building Session D7 Façades Bellavista 2 Chair: Dieter Moor, Ertex Solar, Austria	16:00 Maintenance of Building Façades Session E7 Orione Chair: Valentina Puglisi, Politecnico di Milano, Italy	16:00 New Materials for the Building Skin Session F7 Chair: Oliver Kinnane, Queen's University, Belfast, United Kingdom Vivace 3+4 Vivace 3+4	
ETFE cushions integrated amorphous silicon photovoltaics Jianhui Hu, Shanghai Jiao Tong University, China	Simple and advanced Passive House modeling Guenther Gantioler, PHI Italy, Barbian, Italy	The application of auxetics in intelligent buildings Gabriel Tang, Sheffield Hallam University, United Kingdom	When buildings attack - Death ray buildings Vicente Montes-Amoros, CDC Inc., Leesburg, USA	Nano-technological coatings for preventive envelope maintenance Annalisa Andaloro, Politecnico di Milano, Italy	Stone skin – Hyper-light double-layered granite skin with fiber reinforcement	
Lightweight photovoltaic for architecture and e-mobility Thomas Ferwagner, Solartension GmbH, Germany	Modelling Closed Cavity Facade with integrated blind system for energy and daylight performance	Autoreactive architectural façades: unpowered kinetic building skins and the method of evolutionary optimization	Glare caused by PV panels on building façades in dense urban areas	Building maintenance with BIM Zita Sampaio, University of Lisbon, Portugal	Maurizio Barberio, Università degli Studi Roma Tre - Politecnico di Bari, Italy Hemp concrete wall - a numerical study	
Wooden membrane with integrated flexible photovoltaic foil Walter Klasz, University of Innsbruck, Austria	Passive calculation of cooling	Sanara rersiani, Sapienza University of Rome, Italy Effect of kinetic façades on energy efficiency of office buildings	Glare effects from sunlight reflected off the building envelope	Building automation solutions for the building envelope: Mapping the market and development prospects	Georges Costantine, Groupe de Recherche en Sciences pour l'Ingénieur, Reims, France	
Design options for a convertible PV roof plant Gian Andri Diem, dhp technology, Switzerland	Temperature and air mode of air gaps of double skin façades	Crerii Beri Bacha, Biociimatic Architecture & Environment Lab, Algeria Smart self-adapting origami structures	matua battagiia, Hocnschule für Technik Kapperswil, Switzerland Is it stone or is it glass? And will it blind me?	vaientina rugiisi, Politecnico al Milano, Italy	Correcting the acoustic absorption of rendered hemp-based walls	
Photovoltaics on textile and architectural membranes Perry Carroll, Perry Carroll Consulting, United Kingdom	Elisaveta Reich, Faina Khairutdinova, St. Petersburg Polytechnic University, Russia Ventilated double skin façades with variable width of air gap	Matteo Botto, Politecnico di Torino, Italy	Miriam Butti, Ramboll UK, London, United Kingdom		Giver Rumane, Queens Oniversity, benasi, Officer Ringuoni	
Vyacheslav Olshevskiy, St. Petersburg Polytechnic University, Russia						
17:30	End of Conference			End of Conference		