10:10    Keynote pres	esentation: Kevin P. Flanagan, I gineered Timber Feasibility: E	Construction and Structural Design, Technical Universi	ty Munich							
10:45 A1 Bellavista 5 Chair: Ezio A Italy  Parametric curtain wall d	gineered Timber Feasibility: E									
10:45 A1 Bellavista 5 Chair: Ezio A Italy	•	Partner PLP Architecture, London, UK Externally braced timber high rise design								
		10:45 Policies for Energy-efficient Construction and Refurbishment	10:45 C1 Arena	New Materials for the Building Skin Chair: Valentina Puglisi, Politecnico di Milano, Italy	10:45 D1 Bellavista 2	Occupants' Adaptation in Naturally Ventilated Buildings - Historical Development Chair: Timothy Adekunle, Dep. of Architecture, University of Hartford, USA	10:45 E1 Vivace 5+6	Economics and Architectural Integration of PV into Façades Chair: Christian Renken, CREnergie, Switzerland	10:45 F1 Bellavista 3+4	Prefabrication: From Complex Façade Design to Building Retrofit Moderation: Jessica Webster, CanmetENERGY, Natural Resources Canada
Chicago, USA	<b>design</b> Owings & Merrill LLP,	level Jure Erzen, Local energy agency of Gorenjska,	reflective mat	ance building envelopes with retro- erials CIRIAF, Perugia, Italy	Connecticut Theodore Sa	sustainable: Natural ventilation in houses of the 1700s and 1800s. wruk, Dep. of Architecture, University of	Philippa Boyo	f BIPV within a project environment d, University of Reading, UK	Prefabricated Gonçalo Correi Portugal	enclosure wall panel systems a Lopes, Universidade de Aveiro,
Customizing a mixed-use building in real time Aleksandar Sasha Zeljic, Gensler, Chicago, USA  Work differently for different work: a return to the artful façade Kristofer Leese, Belzberg Architects, Santa Monica, USA  Computational design in lightweight membrane enclosures Kais Al-Rawi, Walter P Moore, Los Angeles, USA		True value of building envelope retrofits Ian Miller, Pretium Anderson Waterloo Inc., Breslau, Canada  Market potential and acceptance of BIPV solutions Martin Boesiger, Haute école spécialisée de Suisse occidentale de Fribourg, Switzerland	Improving the indoor air quality by using a surface emissions trap for exposure reduction Lennart Larsson, Lund University, Sweden		James Marston Fitch: Development of natural ventilation as a strategy to passively moderate the built environment Michael Crosbie, Dep. of Architecture, University of Hartford, USA  Analysis of occupants' adaptation and design parameters influencing their behavioral actions in naturally ventilated timber buildings Timothy Adekunle, Dep. of Architecture, University of Hartford, USA  Occupants' adaptation in low-income naturally ventilated buildings: a case study of Abuja, Nigeria Michael Adaji, University of Kent, Canterbury, UK				Retrofitting with light prefabricated modules Silvia Giammetta, Politecnico di Torino, Rivoli, Italy  Market assessment and business strategies Jessica Webster, Natural Resources Canada, Ottawa, Canada  Upgrading building skins with prefabricated module: Kepa Iturralde, Technical University of Munich,	
		Impact of a window rating system on the performance of windows Minjung Bae, Korea Institute of Civil Engineering and Building Technology, South Korea  Envelope design optimization for building refurbishment Raul Corrales, Bureau d'Ingénieurs Fenêtres & Façades, Lausanne, Switzerland							Recycling ship envelopes	ated MVHR heat pump IIBK - EEB, Innsbruck, Austria pping containers for building g, Dalarna University, Falun, Sweden
			Zhmagul Nugu	izhinov, KazMIRR, Kazakhstan						
12:30 Complex Ge	eometries, Advanced	Lunch  14:00 Energy Efficiency Investments: From EU	14:00	Membranes for High Performance	Lunch 14:00	Natural Ventilation 1	14:00	Lunch Design Strategies for Advanced PV	14:00	Vorgefertigte
A2 Building Ted Vivace 5+6 Chair: Matth	echniques and Materials	B2 Regulations to Individual Households'	C2	Building Skins Chair: Carl Maywald, Vector Foiltec, Germany	D2	Chair: Mitsuhiro Udagawa, Prof. Emeritus, Dep. of Architecture, Kogakuin University, Tokyo, Japan	E2 Arena	Façades Chair: Leo Lau, University of Science & Technology Beijing, China	F2	Holzfassadenelemente für urbane Bauten Moderation: Stefan Winter and Stephan Ott, Technical University Munich, Germany
Michael Stein, schlaich bergermann partner, Stuttgart, Germany  Envelope systems for complex geometries: a multilayered approach Matt King, T/E/S/S, Paris, France  Adventures in glass: The drivers behind the significant advances in glass technology James O'Callaghan, Eckersley O'Callaghan, London, UK		renewable energy systems Imre Kocsis, Faculty of Engineering, University of Debrecen, Hungary	Collaborative design and engineering of a tensile		Thermal mass façades incorporating shading and ventilation Ralph Roesling, RNT Architects, San Diego, USA  Façade optimization for natural ventilation Mohannad Bayoumi, King Abdulaziz University, Saudi Arabia  Thermal performance degradation of aerogel blankets due to moisture accumulation Atiyeh Hoseini, Simon Fraser University, Surrey, Canada		Daniel Attoye, United Arab Emirates University  BIPV at Nordic climate conditions Anna Fedorova, Norwegian University of Science and Technology, Norway  Construction materials producing energy Peter Röthlisberger, Solaxess, Switzerland  Structure Integrated PV in monumental architecture and suburban infrastructures		Sanierungs- und Neubauprojekte mit vorgefertigter Holzfassaden Maximilian Schlehlein, Gumpp & Maier GmbH, Deutschland	
		Energy efficiency and renewable energy							vorgefertigtes	nergetische Sanierung als ein Element olzunion, Deutschland
		How to build our houses in order to consume less energy							Frank Lattke, lattkearchitekten, Augsburg,	
Advanced climate engine performing envelopes Wolfgang Kessling, Transs		Balázs Kocsi, School of Informatics, University of Debrecen, Hungary Role of biomass in buildings' energy management	fabric façade of a stadium Steve Lewis, Walter P Moore, Los Angeles, USA Brief Presentation		Impact of building envelope design on energy consumption Bin Su, Unitec Institute of Technology, Auckland, New		PV in national heritage conservation		Deutschland  Feuchtesicherheit hoher Holzfassaden Stephan Ott, TU München, Deutschland	
Munich, Germany  An exploration of digital design/fabrication and assembly  Nassim Saoud, Gehry Technologies, Paris, France		János Szendrei, Faculty of Engineering, University of Debrecen, Hungary	ETFE skin, expressive potential: the Rosa Parks Station in Paris Giacomo Di Ruocco, University of Salerno, Italy		Implementing natural ventilation in sustainable buildings – a case study Jason Hegenauer, University of Hartford, USA  Numerical simulations of ventilated roofs with radiation effect in transient analysis Vincenzo Bianco, Università degli Studi di Genova, Italy		BIPV as a new language in architectural design Stephen Lau, National University of Singapore  Brief Presentations  BIPV façade coupled with transparent insulation Miroslav Cekon, Brno University of Technology, Czech Republic  Solar-façade providing access-priority for pedestrians and cyclists  Abbas Rahmani, KIT Karlsruhe, Germany		Zukünftige Entwicklungen bei Holzfassaden Stefan Winter, TU München, Deutschland	
		the European building industry Róbert Sztányi, Faculty of Engineering, University of Debrecen, Hungary							Modernisierun Chiel Boonstra	us europäischen gsprojekten mit TES Fassaden , Trecodome, Niederlande altung mit Holz id, Lignum, Schweiz
15.00		0 " D			0 "			f PV into façades and roofs with Suncol i, Sunage, Chiasso, Switzerland		
15:30 Additive Ma	anufacturing: 3D Print of	Coffee Break  16:00 Building Refurbishment: Strategies,	16:00	Textile Architecture	Coffee Break 16:00	Natural Ventilation 2	16:00	Coffee Break Integrating PV as Shading Device	16:00	Steigerung der Gebäudehülle-
Vivace 5+6 the Building Chair: James Dallas, USA	ng Envelope es Warton, HKS Architects Inc.,	B3 Technologies, Performance Chair: Steve Burroughs, University of South Australia	C3 Bellavista 3+4	Chair: Katja Bernert, Low and Bonar, Germany	D3 Bellavista 2	Chair: Rebeccah Tuscano-Moss, Westminster School, Simsbury (CT), USA	E3 Arena	Chair: Seung-Ho Yoo, Architectural Environment Lab, Sehan University, South Korea	F3 Bellavista 5	<b>Performance</b> <i>Moderation: Manfred Starlinger, ims Ingenieurleistungen, Deutschland</i>
High-performance 3D pri integrated energy Maged Guerguis, Skidmore USA	rinted façade with re, Owings & Merrill, Chicago,	post-war façades Florian Mähl, osd GmbH & Co. KG, Frankfurt, Germany	Patrycja Bosov Germany	s – innovations in textile architecture wski-Schönberg, Low and Bonar GmbH,	the "Chimne Ezio Arlati, F	naturally warmed air flow: exploiting by Effect" of ventilated façades' cavity Politecnico di Milano, Italy	PV-slat sens Han Li, Kyush	u University, Japan	doppelt gefore	jie 2050 – die Gebäudehülle ist lert ; Bundesamt für Energie, Bern,
Additive and conventional manufacturing for		school gym buildings	effects Gerd Schmid, formTL, Germany		Thermodynamic analysis of underground ducts for natural ventilation Alfonso Rivas, Universidad Autonoma Metropolitana, Mexico		Timo Carl, University of Kassel, Germany		Bauwerkintegi	rierte multivalente Energiefassade nger, ims Ingenieurleistungen,
D-printed functional-integrated building envelope Moritz Mungenast, Technical University Munich, Permany  Villa Castelli: architectural herita efficiency Oscar Stuffer, Solarraum, Bolzano		Villa Castelli: architectural heritage and energy efficiency Oscar Stuffer, Solarraum, Bolzano, Italy	Tensile wrap for an office building in Ecuador Katja Bernert, Low and Bonar GmbH, Germany		Smart ventilated façade for reduced heating and cooling needs Álvaro Ruiz-Pardo, Cádiz University, Puerto Real, Spain		Marco Lovati, Eurac research, Bolzano, Italy  Parametric design of an adaptive solar façade Prageeth Jayathissa, ETH Zürich, Switzerland		Energieeffizier	nte gebäudeintegrierte Bauelemente assade Institut für Strukturleichtbau und
3D printed structural com	Improving performance of existing buildings through engineered skins in deep renovation interventions  Warton, HKS Architects Inc, Dallas, USA  Chiara Passoni, Università di Bergamo, Dalmine, Italy				Renewable energy for building ventilation Rebeccah Tuscano-Moss, Westminster School, USA  Opacification risk of the intumescent gel in fire- resistant glazing Jacopo Montali, Ai Engineering, Torino, Italy  Energy consumption and windbreak to decrepit windows Suin Lee, KICT, Goyang-si, South Korea		BIPV system as a shading device Seung-Ho Yoo, Sehan University, South Korea		Energieeffizien Untersuchung	z, Chemnitz, Germany einer verglasten Doppelfassade runer Roschi, Köniz, Schweiz
<b>3D print of a high performing window</b> Naree KIM, VS-A.KR Ltd., South Korea		Integrating efficient technologies in building envelopes Annarita Ferrante, University of Bologna, Italy							Kühlenergieeii Gebäudehüllei	nsparpotential durch adaptive
		Brief Presentation  Design methodology and computational tools for							Bauen mit Stro	-
		eco-adaptive building skins Davide Ventura, Sapienza University of Rome, Italy								e Umsetzung von Ziegelschalen aus
17:30		High performance surface protection films Stefan Schmatz, Renolit Se, Germany  End of Conference Day 1						End of Conference Day 1	planaren Ziege Alexander Pick Deutschland	elfertigteilen , Technical University Darmstadt,

17:30	End of Conference Day 1		End of Conferen	Deutschland ce Day 1	
3 October 2017, Conference Day 2	Confe	erence Program ADVANCED BUILDING SKII	NS 2017		
08:30 Responsive and Adaptive Building Skins A4 Chair: Omar Renteria, EYP, New York, USA Arena	08:30 B4 Bellavista 2 New Forms of Concrete for Modern Building Envelopes Chair: Ruth Morrow, Queen's University, Belfast, United Kingdom	08:30 C4 Orione  Kinetic Architecture and Dynamic Daylight Control Chair: Anders Nereim, School of the Art Institute of Chicago, USA	08:30 D4 Bellavista 3+4 Models, Tools and Simulations for Sustainable Buildings Chair: Fabian Ochs, University of Innsbruck, Austria	08:30 E4 Bellavista 5 BIPV Glazing: Products, Projects, Performance Chair: Stephen Lau, National University of Singapore Wiep Folkerts, ECN, Netherlands	
Self-aware façades within evolving networks Omar Renteria, EYP, New York, USA	Sprayed concrete for complex geometry façades Valeria Postorino, Postorino & Associates Engineering, Milan,	Achieving daylight optimization and reducing cooling loads with kinetic façades	Building typology and solar energy harvesting potential Ji Zhang, Solar Energy Research Institute of Singapore	BIPV: Expanding the vision Anna Colley, NSG Pilkington, Lathom, UK	
Autoreactive façade components in an open cladding system Philipp Molter, Technical University Munich, Germany	Aerogel mortars and possibilities for their application Daniel Sanz Pont, ETH Zurich, Switzerland	Jalal Semaan, Heriot-Watt University, UK  Bio-kinetic and power-collecting shading device Andreas Hammer, Mainz University, Germany	Tools and strategies to improve climate-driven façade design Rodrigo Velasco, Universidad Piloto de Colombia	Designed BIPV elements with printed front glass Gabriele Eder, Österreichisches Forschungsinstitut für Chemie und Technik, Austria	
Design of sustainable adaptive building skins with LCA Manuela Crespi, Dep. PDTA, Sapienza University of Rome, Italy	Lightweight precast geopolymer sandwich panel for building retrofits		Building performance simulation in architectural design Jon W. Strunge, Søren Jensen Rådg. Ing., Denmark	Evaluation of thermal properties for BIPV in glass façades Hisashi Ishii, LIXIL Corporation, Tokyo, Japan	
Active, passive or interactive? Human-building interactive façade system for behavioral change of occupants Qianning Zhang, National University of Singapore	Roisin Hyde, Queen's University, Belfast, UK  Super green concrete façade panels	Anders Nereim, School of the Art Institute of Chicago, USA  Performance of automated solar shading with parametric	Thermal comfort in buildings with advanced façade systems Nicola Lolli, SINTEF Building and Infrastructure, Norway	BIPV glazing: thermal, solar and electrical properties Andreas Stephan, ZAE Bayern, Würzburg, Germany	
Brief Presentation	Elizabeth Gilligan, Queen's University Belfast, United Kingdom  Return to source. Linen lace and concrete	design process Phetcharin Phongphetkul, Thammasat University, Thailand	Brief Presentation	PV glass projects Alvaro Valverde, OnyxSolar, Spain	
Design and evaluation of architectural shapes in extreme environments  Lenka Kormanikova, Technical University of Kosice, Slovakia	Ruth Morrow, Queen's University, Belfast, UK  Fiber cement façade: a new building in the historical center of L'Aquila, Italy	Metereosensitive user-controllable skin for dynamic façades Andrea Pilla, Politecnico di Milano, Italy  Evaluation of energy and daylighting performance to inform	Building simulation based on collected environment data Giuseppe Ardito, Worcester Polytechnic Institute, USA Full-scale climate measurement around the building façade		
10:00 Coff	Francesco Giancola, 2Studio Ingegneria e Architettura, L'Aquila, Italy ee Break	adaptive shading systems Victor Charpentier, Princeton University, USA  Coffee Break	Peter Juras, Faculty of Civil Engineering, UNIZA, Zilina, Slovakia	ee Break	
10:45 A5 Arena  Smart Materials for Adaptive Façades Chair: Ben Bridgens, Newcastle University, United Kingdom	10:45 B5 Bellavista 2  Concrete as Multi-Functional Material serving Building Energy Efficiency Chair: Laury Barnes, R&D Director, VICAT, France	10:45 Advanced Building Skin Design for Optimized Daylighting	10:45 D5 Bellavista 3+4 Bellavista 3+4 Building Design Optimization Chair: Fabian Ochs, University of Innsbruck, Austria	10:45 Cross-fertilization between Aesthetics and Performance of PV Chair: Jonathan Govaerts, IMEC, Belgium	
Early experiments and concepts for bacteria spore-based hygromorphs Martyn Dade-Robertson, Newcastle University, UK	CONIPHER - CONcrete Insulation PHotovoltaic Envelope for deep Renovation Philippe Thony, CEA, INES, France	Daylighting and its effects on human circadian system Lucia Mankova, Slovak University of Technology, Slovakia	Optimizing the performance of self-shading façades Nicola Falcone, Ove Arup & Partners, London, UK	Reducing the effect of shadow on PV modules Lenneke Slooff, ECN, The Netherlands	
Soft robotic building skins Martina Decker, NJIT School of Architecture, Newark, USA	Bio-inspired solutions to increase thermal performance Estelle Cruz, Centre Européen d'Excellence en Biomimétisme,	Advanced window/skylight solution utilizing sunlight directly for illumination Barbara Szybinska Matusiak, NUST, Norway	Form follows performance: Integrating sustainability into design practices  Joyce Chan, HOK, London, UK	Improved PV modules for aesthetic building integration Stefan Dewallef, Soltech, Belgium	
Computational design and digital prototyping for climate- responsive timber building components Dylan Wood, Stuttgart University, Germany	Prance  Development of active slabs to benefit from concrete thermal inertia in tertiary buildings	Day and night images of tensile building façades Andrea Vargova, Slovak University of Technology, Slovakia	Impact of different energy balancing methods on Net Zero Energy Buildings Monika Hall, University of Applied Sciences Northwestern	Brick modules for improved aesthetics in PV John van Roosmalen, ECN, The Netherlands  Performance and aesthetics of PV façades with new module	
Smart wooden actuators for solar driven and controlled shading systems	Bruno Georges, ITF, France  Exploitation of thermal inertia in detached houses: Winter	Space to gaze Hans-Joachim Frey, iconic skin, Germany	Switzerland  Understanding underground: a journey through simulations	technology Karin Söderström, CSEM, Switzerland	
Markus Rüggeberg, EMPA, Switzerland  Design optimization of a self-shading smart material morphing building skin	valuation Arnaud Jay, CEA, INES, France  Multidisciplinary approach to assess the durability of hemp	Adaptive building skin design and audiovisual comfort Monika Rychtáriková, Dep. of Architecture, KU Leuven, Belgium	Alfonso E. Hernandez, MEDIAM design collaborative, Houston, Texas  Brief Presentation	Accurate modeling of BIPV-based energy generation Hans Goverde, IMEC, Belgium  Arres-inroof-installation with high snow loads	
John Brigham, Durham University, UK  Smart tiles - Application of the dynamic characteristics of	concrete Sandrine Marceau, Université Paris-Est, France	Brief Presentations on Daylighting  Designing shading devices for highly glazed spaces  Vitaliya Mokhava, Lund University, Sweden	Optimization of the energy performance in the early design stage of free-form buildings	Paola Grenier, Solarmarkt, Switzerland  Brief presentation: Integrating Solar Thermal Energy into the	
shape-memory polymers to climate-adaptive building façades Dale Clifford, California Polytechnic State University, USA	Development of foaming concrete Florian Chalencon, Vicat, France	Design for and with daylight: Two healthcare façade applications in hot climates	Gabriela Celani, UNICAMP, Campinas, Brazil	Building Envelope	
Architectural application of wood-based responsive building skins Ben Bridgens, Newcastle University, UK		Mili Kyropoulou, HKS Architects, Houston, USA  Daylight and thermal performance of transparent façades Katja Malovrh Rebec, Slovenian National Building and Civil			
Brief Presentations  Color change temperature in thermos-chromic façades for the		Engineering Institute, Slovenia  Light/energy management films for building energy efficiency			
energy efficiency of buildings Maria Gavira, IETcc, Madrid, Spain		Sebastian Zehentmaier, 3M, Germany  Overheating in Nearly Zero Energy buildings with glass façades			
Energy efficiency by joining groupware with building automation Stephan Weismann, ZAE Bayern, Würzburg, Germany		Hendrik Voll, Tallinn University of Technology, Estonia  Performance evaluation of complex fenestration systems Anton Hendrix, Lund University Faculty of Engineering, Sweden			
	unch	Lunch		Lunch	
14:00 Design Methods for Sustainable, High-Performance A6 Building Façades Arena Chair: Larry Bellamy, University of Canterbury, United Kingdom	14:00 Thermal Performance of Phase Change B6 Materials for the Building Skin Chair: Craig Farnham, Osaka City University	14:00 Smart Glazing for Advanced Daylight Control C6 Chairs: Michele Manca, Italian Institute of Technology, Italy and Lorenza Bianco, Energy-efficient Building Division, CEA/LITEN, France	14:00 Building Information Modeling D6 Chair: Manfred Huber, University of Applied Bellavista 3+4 Sciences Northwestern Switzerland	14:00 E6 Performance Analysis Bellavista 5 Chair: Francesco Frontini, Swiss BiPV competence Center	
Innovative tilted-glass building skins for improving environmental performance Brad Wilkins, Gensler, Singapore	Ventilation units with PCM for double-skin BIPV façades Jakub Curpek, Faculty of Civil Engineering, STU, Slovakia	Solar-powered smart glass window: increase user comfort and decrease energy consumption in buildings Eric Westerhoff, Sunpartner Technologies, France	Iconic 3D architecture in the Middle East - latest developments in 3D BIM, computerized design and innovative fabrication technology	The integration of BIPV adaptive flakes into the building envelope Enrico Sergio Mazzucchelli, Politecnico di Milano, Italy	
Developing innovative façades with improved seismic and sustainability performance Larry Bellamy, University of Canterbury, Christchurch, New Zealand	PCM melting temperature optimization for passive cooling and heating Alvaro de Gracia, University Rovira i Virgili, Spain	Control strategies for smart glazing Eoin McLean, Dublin Institute of Technology, Dublin, Ireland	Thomas A. Winterstetter, Werner Sobek Stuttgart, Germany  BIM: People, processes, technology and methods  Manfred Huber, University of Applied Sciences Northwestern	Organic photovoltaics as innovative design solutions for BIPV David Müller, Merck KGaA, Germany  4th generation of PV technology for transparent building	
Performative aspects of geometrically complex building enclosures Matthew Fineout, Smart Architecture, Pittsburgh, USA	Thermal properties of a four-pane window filled with PCM Martin Zalesak, Tomas Bata University, Zlin, Czech Republic	Smart façade design: energy saving using nano- thermochromic glazing Marina Aburas, University of Adelaide, Australia	Switzerland Improving the energy efficiency and indoor comfort of	envelopes Fabio Giucastro, School of Architecture of Siracusa, Italy	
Affordable and cost-effective high-performance housing Jörg Rügemer, University of Utah, Salt Lake City, USA	PCM-enhanced mortar for thermally activated building components César Bartolomé, Instituto de Ciencias de la Construcción,	Dual band dynamic glazing: towards next generation of zero- energy building envelopes	remote-region health clinics Steve Burroughs, University of Canberra, Australia	Advanced technology and material compositions for BIPV Matthias Schoft, Sunman, Shanghai, China	
Computer programming for performative and comfortable spaces Rania Labib, Texas A&M University, College Station, Texas, USA	Spain  Thermal performance of multifunctional façade with PCM Romeu Vicente, University of Aveiro, Portugal	Michele Manca, Italian Institute of Technology, Italy  Smart glass vs. fritted glass: analysis of glare control performance	Building skins, parametric design tools and BIM platforms Wahbeh Wissam, University of Applied Sciences Northwestern Switzerland	Performance of a BIPV curtain wall component Jonathan Lehmann, KU Leuven, Belgium Brief Presentation	
Lessons learned from forensic investigation of skin failures Karim Allana, Allana Buick & Bers, Inc., Palo Alto, USA	Microcapsulated PCM and geopolymer concrete Vinh Duy Cao, Østfold University College, Norway	Eloïse Sok, SageGlass, France Brief Presentation	BIM-driven whole-year simulation of buildings with active façades Per Sahlin, EQUA Solutions AG, Switzerland	BIPV materials science challenges and opportunities Bjørn Petter Jelle, Norwegian University of Science and Technology,	
Brief Presentations  Sustainable building skins for coastal environments Robert Holton, Louisiana State University, Baton Rouge, USA	Hysteresis and subcooling in simulation of PCM panels Craig Farnham, Osaka City University, Japan	Smart Glazing for Advanced Daylight Control Lorenza Bianco, Energy-efficient Building Division, CEA/LITEN, France		Norway	
Vertical distribution of reflected solar radiation and re- radiation on buildings	Brief Presentations  Lightweight building envelopes with PCM	riance			
Kengo Kawasaki, National Institute of Technology, Gifu, Japan  Advanced building envelopes: design and construction  Massimiliano Nastri, Politechnic of Milan, Italy	Ricardo Almeida, Polytechnic Institute of Viseu, Portugal  Ventilated façade with PCM for heating purposes Josep Ramon Castro, University of Lleida, Spain				
World expositions and building skins: Energy-efficiency concepts and aesthetics	Josep Ramon Castro, Oniversity of Lietua, Spain				
	ee Break	Coffee Break		ee Break	
16:00 Adaptive Building Skins for Energy Saving and User Comfort Arena Chair: Roberta Cocci Grifoni, University of Camerino, Italy	16:00 Aerogel-based Solutions for the Building Envelope  Bellavista 2 Chair: Samuel Brunner, EMPA, Switzerland	16:00 Design, Construction, and Evaluation of Glass Façade Elements Orione Christoph Geyer, Bern University of Applied Sciences, Switzerland	16:00 Green Walls and Roofs for Enhanced Building Skin Performance Chair: Valerie J. Amor, Drawing Conclusions, Brooklyn (NY), USA	16:00 Performance Modeling of BIPV Systems E7 Chair: Maider Machado, Tecnalia Research & Innovation, Spain	
Design and evaluation of a prototype responsive wall system Giuseppe Losco, University of Camerino, Italy	Zero Energy Buildings with high-performance façades Dietrich Schwarz, Dietrich Schwarz Architekten AG, Zürich, Switzerland	Windows/doors with burglary-resistant characteristics Stephan Hofer, Bern University of Applied Sciences, Switzerland	Winter operation of green walls for energy savings in buildings Gabriel Pérez, University of Lleida, Spain	BIM-based software tool for BIPV systems simulation Philippe Alamy, CADcamation, Switzerland	
Experimenting with sustainable building skins in an existing building Francesca Olivieri, Universidad Politécnica de Madrid, Spain	Aerogel-based superinsulation: New opportunities and solutions	Evaluation of in-situ measurement methods for air permeability of windows Christoph Geyer, Bern University of Applied Sciences, Switzerland	Integrating multiple building skins in response to climate change	A design tool for customized BIPV in a BIM-based process Francesco Frontini, University of Applied Science of Southern Switzerland	
Dynamic simulation of a solar air heater and experimental measurements Nuno Simões, ITeCons, Coimbra, Portugal	Matthias Koebel, Empa, Switzerland  The future of sustainable chemical and materials development	Beech dowels in contemporary window systems Camilla Mantovani, Bern University of Applied Sciences, Switzerland	Valerie J. Amor, Drawing Conclusions LLC, Brooklyn, USA  Thermal performance of a double-skin green façade (DSGF) Feng Yang, Tongji University, Shanghai, China	Methodologies and tools for BIPV implementation in the early stages of architectural design  Marco Lovati, EURAC, Italy	
Modeling and simulation of complex façade systems Sergio Altomonte, Faculty of Engineering, University of	Harald Krug, NanoCASE, Switzerland  High-performance aerogel concrete	Chasing transparency: simulating the visual implications of thermal decisions	Green façade system for indoor air purification Hooman Parhizkar, National University of Iran, Tehran, Iran	Performance assessment and modeling of various BIPV concepts Wiep Folkerts, SEAC, The Netherlands	
Nottingham, UK  Adaptive forms and materials for energy efficient buildings skins	Lorenz Ratke, Institute of Materials Research, DLR Cologne, Germany  Results from real-life performance assessment of aerogel	Michael Martinez, Integral Group, Oakland, USA Brief Presentation	Improving cross-ventilation by integrating productive façade into tropical passive design Chao Yuan, National University of Singapore	IFC-based electricity simulation of a complex BIPV façade Johannes Eisenlohr, Fraunhofer ISE, Germany	
Monica Rossi-Schwarzenbeck, HTWK Leipzig, Germany  I-M Cool: I-Mesh cool façade to reduce the urban heat island	blankets in buildings Pär Johansson, Chalmers University of Technology, Sweden	Performance of reduced cooling load for a slim double-skin window Youngsub An, Kolon Global Corp., South Korea	Sindo Fauri, ivational offiversity of offigapore		
effect Federica Ottone, University of Camerino, Italy	End of Conference	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Full of Orand	00	
17:30	End of Conference		End of Conferen	ce	

























