

Tuesday 24 <sup>th</sup> Symposium opening		Wednesday 25 <sup>th</sup> Symposium		Thursday 26 <sup>th</sup> Symposium		Friday 27 <sup>th</sup> Symposium		Saturday 28 <sup>th</sup> Side event	
9:30-11:00		<b>Symposium Registration</b> at <u>ETSAC School of Architecture</u> Entrance hall (level 0)		Presentation of the book <i>Formal Methods in Architecture and Urbanism, Volume 2 (2022)</i> Library (level 1)		Guided tour ETSAC exhibitions <b>Entrance hall (level 0)</b> Alberti Digital; 12+1 Architectonic Devices; The 'Cidade das TICs project'; CITIC building; ETSAC Urban and landscape subjects outcomes; ETSAC Architectural graphics area outcomes; ETSAC digital outcomes; mechanics area outcomes; Model of Santiago Cathedral.		<b>Santiago de Compostela architectural guided tour</b>  - Guided tour to <i>Cidade da Cultura</i> (a Peter Eisenman masterpiece).  - Cathedral and old town's world heritage.  - Contemporary Architecture.	
9:30-11:00		<b>Session 1 – room 2.8</b> (moderator Enrique Blanco)  <i>BIM Actors: A Hybrid Formal Model for Cognitive Buildings</i> P Govind Raj and Subrat Kar (IIT DELHI)  <i>BIM Methodology Integration in the Maintenance and Rehabilitation of Heritage and Historical Buildings</i> Patrick Loureiro and Rui Seabra (ESAP)  <i>A Data Workflow Approach for a Pedagogical Sensitization to the BIM Concept</i> Mohamed-Anis Gallas, Gregorio Saura-Lorente and Etienne Godimus (University of Mons)	<b>Session 4 – room 2.8</b> (moderator Ana Cocho)  <i>Integrating Formal Methodologies in a Multilayered Analysis for Management Policies for the Pedestrian Use of Public Space</i> Catarina Ruivo (Dinâmia'cet, ISCTE-IUL), Frankim Morais, Joaquim Flores, Jorge Vieira Vaz (LIAD-ESAP)  <i>Plausible Layout Generation Using Machine Learning, Evolutionary Optimisation and Parametric Methods</i> Daiva Marcinkeviciute and Wassim Jabi (Cardiff University) [online]  <i>A Formal Method of Architectural Design Automation that Generates Large 3D Graphs based on Topologically</i> Abdulrahman Alymani, Wassim Jabi and Padraig Corcoran (Cardiff University) [online]	<b>Session 7 – room 2.8</b> (moderator Jorge Rodríguez Álvarez)  <i>Changing Methods in Teaching for Strengthening the Relation between Research and Practice</i> Cláudia Monteiro and Vitor Oliveira (CITTA / FEUP)  <i>VISSOP: A Tool for Visibility Analysis within SideFx Houdini</i> Christoph Opperer (Institute for Experimental Architecture, Hochbau, University Innsbruck)  <i>Teaching Urbanism with Sudoku</i> Rui Florentino (Universidade Portucalense)					
11:00-11:30		Coffee break at ETSAC - multipurpose room (level -2) (demo of an inflatable architecture by Nuria Prieto González)		(commercial demo by GeoSystem)	(demo of deployable structure by J. Pérez Valcárcel team)				
11:30-13:30	<b>OPENING CEREMONY</b> (Rectorate of UDC, with academic authorities)	<b>KEYNOTES - conference room (level 0)</b>			<b>Tasos Varoudis</b> (University College London, UK) <i>Formal Methods Lecture</i>	<b>Josep Muntañola</b> (Universitat Politècnica de Catalunya, SP) <i>The formalization of architecture: to design is to produce signs as a social interaction tool</i>	<b>Carlos Seoane</b> (Universidade da Coruña, SP) <i>The red carpet</i>		
		<b>Pilar Chías</b> (Universidad de Alcalá, SP) <i>Research, diffusion and transfer in architecture: The European context</i>	<b>José P. Duarte</b> (Penn State University, US) <i>Static and Dynamic Optimization: from concrete printing to responsive facade</i>	<b>Sophia Psarra</b> (University College London, UK) <i>Modelling embodied space and movement in 3D</i>					
13:30-15:30	Tapas at Rectorate	Lunchtime at ETSAC – dining room (level -2)							
15:30-17:00	<b>A Coruña architectural guided tour</b>  - medieval town  - city centre and contemporary architecture	<b>Session 2 – room 2.8</b> (moderator Nuria Prieto)  <i>Associative Synthesis with Deep Neural Networks for Architectural Design</i> Immanuel Koh (Singapore University of Technology and Design, SUTD)  <i>Behind Algorithmic Geometric Patterns: a Framework for Facade Design Exploration</i> Inês Caetano and António Leitão (INESC-ID/Instituto Superior Técnico, University of Lisbon)  <i>Formal Studies on the Parts and Wholes of Historical Bricklay Designs</i> Sevgi Altun and Mine Özkar (Istanbul Technical University)	<b>Session 5 – room 2.8</b> (moderator Paula Fernández-Gago)  <i>Restructuring Urban Form through Restructuring Accessibility: an Integrated Urban Network Approach</i> Chen Yang, Zhu Qian (Univ. of Waterloo) [online]  <i>Teaching Architecture through Diagrams and Algorithms</i> Luis Manuel Santalla-Blanco (Univ. da Coruña)  <i>Massing and Skin: A Pedagogical Experiment with Physical and Digital Design Media</i> Ioanna Symeonidou, Giorgos Kalaouzis and Alexandros Efsthathiadis (University of Thessaly)  <i>An Experience around the Rationalization of Architectural Analysis</i> Plácido Lizancos-Mora and Vicente Lopez-Chao (Universidade da Coruña)	<b>Session 8 – room 2.8</b> (moderator Sérgio Mendes)  <i>Applying a Morphological Approach to Istanbul's Urban Landscape</i> Muzaffer Ali Arat and Vitor Oliveira (Faculdade de Engenharia, Universidade do Porto) [online]  <i>Examining the Diffusion of Covid-19 cases in Viçosa-mg: a Configurational approach</i> Marine Mattos, Arthur Oliveira, David Viana and Teresa Faria (ISCTE-IUL, Univ. Federal de Viçosa, UPT)  <i>Encoding Social Values of Local Communities in Algorithmic-driven Design Methods</i> Silvio Carta, Tommaso Turchi, Neil Spencer and Miguel Vidal Calvet (University of Hertfordshire)					
17:00-17:30			Break	Break	Reception with Spanish wine (commercial demo by Iscar Software) multipurpose room (level -2)				
17:30-19:00	Free time	<b>Session 3 – room 2.8</b> (moderator Cristina García Fontán)  <i>Generation of a Large Synthetic Database of Office Tower's Energy Demand Using Simulation</i> Ammar Alammam and Wassim Jabi (Cardiff University) [online]  <i>Strategies of Learning and Control of Robotic Manufacturing Methods in Architecture</i> António Francisco Morais, Bruno Figueiredo and Paulo J. S. Cruz (Universidade do Minho/Lab2Pt)	<b>Session 6 – room 2.8</b> (moderators Zaida García Requejo, Sonia Vázquez Díaz)  <i>Evaluating Urbanity by Measuring Urban Morphology Attributes</i> Jose Beirão and Samira Elias (Faculdade de Arquitetura Universidade de Lisboa)  <i>Formalizing Municipal Urban Planning</i> David Viana, João Quintão e Luís Berrance (CMM)	<b>Session 9 – room 2.8</b> (moderator Patricia Sabin)  <i>The poetry of Architecture in the Conception of Public Spaces: A Look at Luanda's Urban Revitalization</i> Ana Inglês, Luísa Canas da Silva, Teresa Heitor (ISCTE-IUL)  <i>Experimental Form-finding; Case Study: "Weather Pavilion"</i> Lenka Kabošová, Tomáš Baroš, Martin Baroš and Dušan Katunský <sup>2</sup> (Technical University of Košice Charles University)  <i>Local Spatial Analysis for Two Exhibition Halls in Mexico City</i> Mariana Yollohtzin Tafuya García (Universidad Nacional Autónoma de México)					
				<b>CONCLUSIONS AND CLOSING</b>					

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