



IASS 2020/21 SURREY 7

International Conference on
Spatial Structures 2020/21

Summary of Technical Sessions

#	Session Title	Chair(s)	Time slot
S01	Bio-based concepts inspiring the spatial structures and architecture of the next generation (IASS WG 12)-1	Andreas Falk	Monday, 23 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S02	Design and Realisation Case Studies: Lattice Structures-1	Gerard Parke and Omidali Samavati	Monday, 23 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S03	Optimisation methods for analysis and design of roof structures (IASS WG 13)-1	Ruoqiang Feng and Carlos Lázaro	Monday, 23 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S04	Advanced manufacturing (3D Printing, Digital fabrication and etc.) -1	Leila Valverdes	Monday, 23 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S05	Computational form-finding methods-1	Yao Chen and Pooya Sareh	Monday, 23 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S06	Graphic Statics-1	Günther Filz and Sergio Pellegrino	Monday, 23 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)
S07	Next Generation Parametric Design (WG13)-1	Jeroen Coenders	Monday, 23 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)
S08	Active bending-1	Samar Malek	Monday, 23 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)
S09	21st century fabrication and construction of shells (IASS WG 5)-1	Sigrid Adriaenssens and Stefano Gabriele	Monday, 23 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)
S10	Life-cycle design and assessment of structures (IASS WG 18)	Olivier Baverel and Corentin Fivet	Monday, 23 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)

#	Session Title	Chair(s)	Time slot
S11	Dynamic response of metal spatial structures (IASS WG 8)-1	Karim Abedi and Su-duo Xue	Tuesday, 24 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S12	Bio-based concepts inspiring the spatial structures and architecture of the next generation (IASS WG 12)-2	Minjuan He	Tuesday, 24 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S13	Bamboo structures	Martha Godina and Koichiro Ishikawa	Tuesday, 24 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S14	Advanced manufacturing (3D Printing, Digital fabrication and etc.) -2	Philippe Block	Tuesday, 24 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S15	Computational form-finding methods-2	Yao Chen and Pooya Sareh	Tuesday, 24 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S16	Active bending-2	Mohamad Reza Chenaghlo	Tuesday, 24 August, Morning sessions-2, 10.30 -11.45 am (UK time)
S17	Conservation and preservation of 20th century historic concrete shells (IASS WG 5) -1	Marisela Mendoza and John Chilton	Tuesday, 24 August, Morning sessions-2, 10.30 -11.45 am (UK time)
S18	Metal gridshell structures, connections, and stability (IASS WG 8)-1	Toru Takeuchi and Su-dou Xue	Tuesday, 24 August, Morning sessions-2, 10.30 -11.45 am (UK time)
S19	High-performance membrane buildings and challenges-1	Wujun Chen and Jianhui Hu	Tuesday, 24 August, Morning sessions-2, 10.30 -11.45 am (UK time)
S20	WG21 Design Competition-1	Arno Pronk	Tuesday, 24 August, Morning sessions-2, 10.30 -11.45 am (UK time)
S21	Metal gridshell structures, connections, and stability (IASS WG 8)-2	Carlos Lazaro and Karim Abedi	Tuesday, 24 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S22	Advanced manufacturing (3D Printing, Digital fabrication and etc.) -3	Leila Valverdes	Tuesday, 24 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S23	Graphic Statics-2	Masoud Akbarzadeh and Corentin Fivet	Tuesday, 24 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S24	Historical structures	Edmond Saliklis	Tuesday, 24 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S25	Tactile strategies for teaching spatial structures (IASS WG 20)-1	Olga Popovic Larsen and S. Alireza Behnejad	Tuesday, 24 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S26	Deployable and foldable structures	Martin Walker and Stephen Baker	Tuesday, 24 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)
S27	Conceptual design-1	John Abel and Dan Bempa	Tuesday, 24 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)
S28	Transformable structures (IASS WG 15)-1	Niles De Temmerman	Tuesday, 24 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)
S29	The Milgo Experiment	Wanda J. Lewis and Michael Burt	Tuesday, 24 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)
S30	Inflatable structures	Gerard Parke	Tuesday, 24 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)

#	Session Title	Chair(s)	Time slot
S31	Dynamic response of metal spatial structures (IASS WG 8)-2	Su-duo Xue and Karim Abedi	Wednesday, 25 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S32	Design and Realisation Case Studies: Lattice Structures-2	Jaime Sanchez-Alvarez and Omidali Samavati	Wednesday, 25 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S33	Formian in the design activity of architects and engineers	Janusz Rebielak and Koichiro Ishikawa	Wednesday, 25 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S34	Wind engineering and CFD simulation	Brian Smith	Wednesday, 25 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S35	Hangai Prize Applicants-1	Manfred Grohmann	Wednesday, 25 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S36	Metal gridshell structures, connections, and stability (IASS WG 8)-3	Nakazawa Shoji and Su-dou Xue	Wednesday, 25 August, Morning sessions-2, 10.30 -11.45 am (UK time)
S37	Optimisation methods for analysis and design of roof structures (IASS WG 13)-2	Ruoqiang Feng	Wednesday, 25 August, Morning sessions-2, 10.30 -11.45 am (UK time)
S38	Origami-1	Rupert Maleczek	Wednesday, 25 August, Morning sessions-2, 10.30 -11.45 am (UK time)
S39	Tensegrity systems	Martin Walker	Wednesday, 25 August, Morning sessions-2, 10.30 -11.45 am (UK time)
S40	Novel Micro and Macro Analysis and Construction Techniques	Juan Sagaseta and Mehdi Khabbazan	Wednesday, 25 August, Morning sessions-2, 10.30 -11.45 am (UK time)
S41	Bio-based concepts inspiring the spatial structures and architecture of the next generation (IASS WG 12)-3	Andreas Falk	Wednesday, 25 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S42	WG21 Design Competition-2	Arno Pronk	Wednesday, 25 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S43	High-performance membrane buildings and challenges-2	Wujun Chen and Jianhui Hu	Wednesday, 25 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S44	Origami-2	Rupert Maleczek and Martin Walker	Wednesday, 25 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S45	Morphology and configuration processing-1	Vera Viana and Samar Malek	Wednesday, 25 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S46	Transformable structures (IASS WG 15)-2	Niles De Temmerman	Wednesday, 25 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)
S47	Conservation and preservation of 20th century historic concrete shells (IASS WG 5) -2	Marisela Mendoza and John Chilton	Wednesday, 25 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)
S48	The future of structural design - symbiosis in architecture and structural engineering-1	Lars De Laet and Klaas De Rycke	Wednesday, 25 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)
S49	21st century fabrication and construction of shells (IASS WG 5)-2	Sigrid Adriaenssens and Stefano Gabriele	Wednesday, 25 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)
S50	Hangai Prize Applicants-2	Ruy Marcelo Pualetti and Juan Gerardo Oliva-Salinas	Wednesday, 25 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)

#	Session Title	Chair(s)	Time slot
S51	Dynamic response of metal spatial structures (IASS WG 8)-3	Toru Takeuchi and Nakazawa Shoji	Thursday, 26 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S52	Morphology and configuration processing-2	Vera Viana	Thursday, 26 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S53	Optimisation methods for analysis and design of roof structures (IASS WG 13)-3	Makoto Ohsaki	Thursday, 26 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S54	Next Generation Parametric Design (WG13)-2	Jeroen Coenders and Omidali Samavati	Thursday, 26 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S55	Conceptual design-2	Dan Bempa and Paul Shepherd	Thursday, 26 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S56	Metal gridshell structures, connections, and stability (IASS WG 8)-4	Toru Takeuchi and Nakazawa Shoji	Thursday, 26 August, Morning sessions-2, 10.30 -11.45 am (UK time)
S57	Bio-based concepts inspiring the spatial structures and architecture of the next generation (IASS WG 12)-4	Minjuan He	Thursday, 26 August, Morning sessions-2, 10.30 -11.45 am (UK time)
S58	The future of structural design - symbiosis in architecture and structural engineering-2	Lars De Laet and Klaas De Rycke	Thursday, 26 August, Morning sessions-2, 10.30 -11.45 am (UK time)
S59	Advanced manufacturing (3D Printing, Digital fabrication and etc.) -4	Günther Filz	Thursday, 26 August, Morning sessions-2, 10.30 -11.45 am (UK time)
S60	Damping Control and Seismicity	Mehdi Khabbazan and Philip J. Wicks	Thursday, 26 August, Morning sessions-2, 10.30 -11.45 am (UK time)
S61	Conceptual design-3	John Abel and José Manuel Galligo	Thursday, 26 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S62	Hangai Prize Applicants-3	Peter von Buelow	Thursday, 26 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S63	Innovative Engineering	Hareesh Lalvani and Dmitri Kozlov	Thursday, 26 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S64	Symmetry and spatial structures	Janusz Rebielak and Alphonse Zingoni	Thursday, 26 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S65	Optimisation	Yi Min (Mike) Xie	Thursday, 26 August, Afternoon sessions-1, 15.15 - 16.30 pm (UK time)
S66	Bio-based concepts inspiring the spatial structures and architecture of the next generation (IASS WG 12)-5	Andreas Falk	Thursday, 26 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)
S67	Hangai Prize Applicants-4	Slade Gellin and Ruy Marcelo Pualetti	Thursday, 26 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)
S68	Tension and membrane structures: Recent developments in and around the United Kingdom (IASS WG 6)	Sudarshan Krishnan, Ken'ichi Kawaguchi and Marijke Mollaert	Thursday, 26 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)
S69	Bridge Structures	Dan Bempa and David Collings	Thursday, 26 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)
S70	Optimisation methods for analysis and design of roof structures (IASS WG 13)-4	Carlos Lázaro	Thursday, 26 August, Afternoon sessions-2, 16.45 - 18.00 pm (UK time)

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S71	Dynamic response of metal spatial structures (IASS WG 8)-4	Carlos Lazaro and Nakazawa Shoji	Friday, 27 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S72	Design and Realisation Case Studies: Membrane Structures	Karsten Moritz and Choong Kok Keong	Friday, 27 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S73	Optimisation methods for analysis and design of roof structures (IASS WG 13)-5	Makoto Ohsaki	Friday, 27 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S74	Hangai Prize Applicants-5	Gerard Parke	Friday, 27 August, Morning sessions-1, 9.00 -10.15 am (UK time)
S75	Shell Structures	Philippe Block and R Sundaram	Friday, 27 August, Morning sessions-2, 10.30 -11.45 am (UK time)
S76	Tactile strategies for teaching spatial structures (IASS WG 20)-2	Olga Popovic Larsen and Jelena Milošević	Friday, 27 August, Morning sessions-2, 10.30 -11.45 am (UK time)
S77	Graphic Statics-3	Marina Konstantatou and Corentin Fivet	Friday, 27 August, Morning sessions-2, 10.30 -11.45 am (UK time)
S78	WG21 Design Competition-3	Arno Pronk	Friday, 27 August, Morning sessions-2, 10.30 -11.45 am (UK time)