							Program	of IASS	APCS 202	22	_	_			_					
Date/ Time	8:30	8:45	9:00	9:15	9:30	9:	10:00	10:15	10:30	10:45	11:00	11:1:	5	11:30	1	1:45		12	00 12:15	12:30
Mon, 19 Sep.						Registrati	on of Participants i	n Beijing Fr	iendship Hotel										Lunc	1
	14:30	14:45	15:00	15:15	15:30	15	:45 16:00	16:15	16:30	16:45	17:00	17:1	5	17:30	1	7:45		18	05 18:15	18:30
	Co Chairs: Ruy Pauletti & Ji		nzhi Wu	Wu Chair: I		uchi	'		1		Co Chai		s: Makoto Ohsaki & Mike X		,				'	'
	Conference Opening - BJUT President welcome IASS President Welcome Conf. Chair Welcome	AC Chair Addres: id Adriaenssens	Tor s: IASS Honor Tsubo Hanga	ds Conferrals: rroja Medal; ary Membersh oi Prize(s) x 2; ai Prize(s) x 4 from Mrs. Han	nip x 2;	Coffee Break 30 minutes	Su-Duc support	Plenary Lecture 1 Su-Duo Xue: Cable- supported Structures Recently Built in China		Plenary Lecture 2 John Chilton:My Journey through Spatial Structures		Plenary Lecture 3 Yeon Yang: Invariant Isogeome mulation for Buckling An Spatial Curved Kirchhof		ric For ysis of I	I Yao Lu Designing Based Ligh	Hangai Prize Lecture I ao Lu: A Method for ming Multi-layer Sheet- di Lightweight Funicular Structures		Welcome re	ception	
Date/ Time	8:30 8:45		9:00	9:15	9:30	9:45	10:00	10:15	10:30		10:45	11:00	11	:15	11:30	11:	:45	12:00	12:15	12:30
Tue, 20 Sep.	Co Chairs: Su-du		o Xue, Seung-Ja	e Lee & Tetsuo Ya	Yamashita								Co Chairs: Toru Take		uchi & Jir	ngyao Zhai	ng			
	Plenary Lecture 4 (APCS) Yuanwen OuYang: Research on Key Technology and its Application in Large- span Aluminium Spatial Structures		Plenary Lect Ken'ichi Kawa and Present of I Comcrete Shell	aguchi: History Early Reinforced	(APCS) i: History Reinforced Reinforced Response of London (APCS) Plenary Lecture of London (APCS) Plenary Lecture of London (APCS) Frection of London (APCS)		30	ninutes Kok Keong C Link Footbr Iconic Footb		eong Ch Footbric Footbri	hoong: Saloma Feng Fan idge - A New of Rese ridge in Kuala Snow Loa		Fan: New Research o	ew Progress (A ch on Roof Into Cori,		Plenary Lecture 9 PCS) Guoxing Lu:		Plenary Lecture 10 (APCS) Seung-Jae Lee: Development Quantum-based Q-HS Algorithm for Weight Optimization of Truss Structures		d Lunch
	14:30 14:45	14:30 14:45		15:15	15:30	30 15:50		16:20	16:30	16:30		17:00		:15	17:30		17:45 18:00		18:15	18:30
	Co		o Chairs: Carlos I	ázaro & Alireza B	ehenejad		'													
	Plenary Lecture 11 Sergio Pellegrino: Inventing Giant Lightweight Structures		Plenary Lecture 12 Jieming Ding: Mechanics and Aesthetics in the Structural Design of Long-span Pedestrian Bridges		Plenary Lecture 13 Sigrid Adriaenssens: Geometry, Mechanics and Building Forms		Hangai Priz Lecture 2 Kanata Warisaya: Freeform Auxetic Mechanism Based on Corner Connected Tiles		Coffee Break 25 minutes	Sol: I Sol: I So		Sessions: S01~S06 ojects and material of tension & membrane struct alized Metal Projects (WG8-1) oncepts for Sustainable Innovation in Construction res -1 (WG 12-1) omputational methods for spatial structures and construction stainable Heritage: Challenges and Strategies in to Century Historic Concrete Shells-1 (WG17/WG5 uminum Alloy Structure-1				on of Timber and Bio-based Spatial Collapse (WG 13-1) the Preservation and Conservation				inner
	20:00 20:15		20:30	20:45	21:00	21:15	21:30	21:45	22:00		22:15	22:30	22	:45	23:00	23	:15			
	S08: ETFE Film Applications (WG6-2) S09: Buckling of Metal Spatial Structures - 1 (WG8-2) S10: Concepts for Sustainable Innovation in Construction of Timber and Bio-based Spatial Structures - 1 (WG 12-2) S11: Optimisation Methods (WG 13-2) S16: Advance S17: Innovati									sions: S13–S18 table and Other Tension Structures (WG6-3) ction Design of Metal Spatial Structures (WG8-3) pts for Sustainable Innovation in Construction of Timber and Bio-based Spatial 3 (WG 12-3) ced Manufacturing and Materials, 3D-Printing and Molding-2 (WG21-2) tition in New Concepts and Projects -1 er Prevention and Mitigation of Spatial Structures-1										
Date/ Time	8:30	8:45	9:00	9:15	9:30	9:45	10:00	10:15	10:30		10:45	11:00	11:	15	11:30	11:45	12:0	00	12:15	12:30
	Parallel Sessions: S19~S23 S19: Dynamic Performance and Seismic Response of Metal Spatial Structures -1 S20: Cable structures (WG6-4) S21: Designing Structures with Computational Methods (WG 13-3) S22: Form-Mobility Relationship: the Study of the Interdependency of Structura Transformability (WSG15-1) S23: Life-Cycle Design and Assessment of Shell and Spatial Structures (WG18)					l Geometry and		Coffee Break 30 minutes		S25: Mechanical S26: Optimisation S27: Snow and Ic		ss: S24~S28 Structures-1 (APCS, WG6-5) al Properties and Health Monitoring on, Form Finding and Parametric I Ice Engineering (WG21-3) Alloy Structures - 2				(WG8-5)	G8-5)		Lunch	
	14:30	14:45	15:00	15:15	15:30	15:50	16:00	16:15	16:30		16:45	17:00	17:	15	17:30	17:45	18:0	00	18:15	18:30
Wed, 21 Sep.		Co Chairs: Q	ilin Zhang & M. l	Mollaert																
	Plenary Lectt Zhongyi Zhu: Roof Cable of Lusail Stadium (the Mi World Cup Qata			Hangai Priz Lecture 3 Jiaming Ma PrintNervi Design and Constructio of a Ribbee Floor System in the Digital Era	a: - d on d	offee Break 25 minutes	S29:Futu Zero Car S30: Pne S31: Bud S32: Cor S33: Pro	cbon - 1 (WG5- cumatic Structuckling of Metal imputational Metotyping: Physiching of Shell	in the De 1) res-2 (W Spatial S ethods for ical and V	esign and Construction of Shell Structures (VG6-6) Structures - 2 (WG8-6) or Additive Manufacturing and Origami (W Virtual Model Making and Fabrication (W tial Structures facilitating Innovation, Susta			gami (WG1) tion (WG15	13-4) 15-3)		Dinner				
	20:00	20:15	20:30	20:45	21:00	21:15	21:30	21:45	22:00	2	22:15	22:30	22:	45	23:00	23:15				
	Parallel Sessions: S35–S40 S35: Mechanical Behavior of Tension Structures (WG6-7) S36: Dynamic Performance and Seismic Response of Metal Spatial Structure S37: Computional Methods for Shell Design and Geometrical Methods (WG S38: Geometry: Describing and Controlling (complex) Geometry, Including I S39: Sustainable Heritage: Challenges and Strategies in the Preservation and Historic Concrete Shells-2 (WG17/WG5-2) S40: Innovation in New Concepts and Projects - 2					5) ametric Design (WG15-4)		S41: Ten S42: Gra S43: For and Mec S44: Sus Conserve	allel Sessions: S41~S45 1: Tensegrity Structures (WG6-8) 2: Graphical Methods and Funicular Structural Design (WG13-6) 3: Form-Force Relationship: The Study of the Interdependency of Structural Geom 1 Mechanical or Kinetic Behaviour (WG15-5) 4: Sustainable Heritage: Challenges and Strategies in the Preservation and 1 mservation of 20th Century Historic Concrete Shells-3 (WG17/WG5-3) 5: Disaster Prevention and Mitigation of Spatial Structures-2							ıry				
Date/ Time	8:30	8:45	9:00	9:15	9:30	9:45):00		10:15	10:30	10:4	.5 1	1:00	11:15	11:30	1	1:45	12:00	12:15	12:30
							al tour [National s	eed skating											Lunch	
Thu, 22 Sep.	14:30	14:45	15:00	15:15	15:30		5:55		16:15	16:30	16:4	.5	7:00	17:15	17:30	1	7:45	18:00	18:15	18:30
		11.70	15.00	10.10	15.50	1.			- 00						17.30	1		10.00	10.15	10.50
	Parallel Sessions: S46~S51 S46: Future Challenges in the Design and Construction of Shell Structures fo Low or Zero Carbon - 2 (WG5-2) S47: Dynamic Behavior of Tension & Membrane Structures (WG6-9) S48: Dynamic Performance and Seismic Response of Metal Spatial Structure: -3 (WG8-8) S49: Concepts for Sustainable Innovation in Construction of Timber and Biobased Spatial Structures -4 (WG12-4) S50: Computational Methods for Membranes and Tensegrity (WG13-7) S51: Innovation in New Concepts and Projects - 3					Coffee Break 25minutes Haya Optin Usin		ai Prize Lecture 4 Kazuki ashi: Assembly Sequence nization of Spatial Trusses g Graph Embedding and einforcement Learning		Plenary Lecture 16 Fang Zheng: Integral Design of Form, Structur & Environment for Chin National Speed Skating Ov		Arghitectural Design		Plenary Lecture 18 Carlo Lázaro: Lightweight		eight I liber-	ASS Future Events			Farewell dinner