

Pre-Nominated Sessions – Solid Mechanics

Symbol	Topic	Responsible Chairs
SM1	Computational solid mechanics	T. Belytschko (USA), P. Wriggers (Germany)
SM2	Contact and friction mechanics	I. Goryacheva (Russia), A. Klarbring (Sweden), G. Szefer (Poland)
SM3	Control of structures	F. Chernousko (Russia), S. Pellegrino (UK)
SM4	Damage mechanics	M. Chrzanowski (Poland), P. Steinmann (Germany)
SM5	Dynamic plasticity of structures	N. Jones (UK), T. Wierzbicki (USA)
SM6	Elasticity	R. Kienzler (Germany), L. Wheeler (USA)
SM7	Experimental methods in solid mechanics	I. Emri (Slovenia), J. Freire (Brazil)
SM8	Fatigue	J. Dominguez (Spain), K. Reifsnider (USA)
SM9	Fracture and crack mechanics	D. Gross (Germany), A. Needleman (USA)
SM10	Functionally graded materials	R. Batra (USA), G. Paulino (USA)
SM11	Impact and wave propagation	A. Norris (USA), K. Wilmski (Germany)
SM12	Material instabilities	D. Bigoni (Italy), H. Petryk (Poland)
SM13	Mechanics of composites	S. Adali (South Africa), N. Fleck (UK)
SM14	Mechanics of phase transformations (jointly with IACM)	F. Fischer (Austria), A. Molinari (France)

SM15	Mechanics of porous materials	W. Ehlers (Germany), J. Huyghe (Netherlands)
SM16	Mechatronics	W. Schiehlen (Germany), M. Tomizuka (USA)
SM17	Multibody dynamics	M. Geradin (Italy), F. Pfeiffer (Germany)
SM18	Plasticity and viscoplasticity	E. van der Giessen (Netherlands), P. Perzyna (Poland)
SM19	Plates and shells	H. Mang (Austria), E. Ramm (Germany)
SM20	Rock mechanics and geomechanics	Z. Mroz (Poland), I. Vardoulakis (Greece)
SM21	Solid mechanics in manufacturing	B. Heimann (Germany), T. Inoue (Japan)
SM22	Stability of structures	Z. Gaspar (Hungary), S. Kyriakides (USA)
SM23	Stochastic micromechanics	Y. Brechet (France), Y. Shibutani (Japan)
SM24	Structural optimization	K. Choi (USA), J. Herskovits (Brazil)
SM25	Structural vibrations	I. Blekhman (Russia), K. Popp (Germany)
SM26	Vehicle dynamics	S. Iwnicki (UK), R. Sharp (UK)
SM27	Viscoelasticity and creep	A. Cocks (UK), N. Ohno (Japan)