

Time	Wednesday 29th June 2011	
8:00	REGISTRATION (Octagon)	
	Ball Room	Tea Room
9:00	PLENARY: "Self-Healing Materials: Past, Present, and Future" Prof. Scott White (University of Illinois at Urbana-Champaign, USA) [Ball Room]	
	Microencapsulated Systems B - Session 10A Chairs: Daniel Crespy, Wolfgang Binder	Self-Healing Metallic & Ceramic Materials C - Session 10B Chairs: Sybrand van der Zwaag, Jiancun Rao
9:45	Epoxy-Amine Based Self-Healing In High Temperature Cured Epoxy H. Jin, C.L. Mangun, D.S. Stradley, N.R. Sottos, S.R. White	Multiple Crack-Healing And Strength Recovery In MAX Phase Ceramics W.G. Sloof, S.B. Li, G.M. Song, C. Kwakernaak, X. Wu, S. v.d Zwaag
10:00	Silica Microcapsules Encapsulating Epoxy Compounds For Self-Healing Cementitious Materials I. Kaltzakorta, E. Erkizia	Crack Healing Behaviour Of A Cr2AlC Ceramic S.B. Li, L.O. Xiao, G.M. Song, X.M. Wu, W.G. Sloof, S. V.d. Zwaag
10:15	Synthesis Of Elongated Microcapsules W. Li, J.W. Buhrow, L. M. Calle	Advanced Healing Agents For Self-Healing Ceramics W. Nakao, Y. Iida
10:30	BREAK (Octagon)	
	Characterisation, Modelling & Optimisation of Self-Healing Materials C - Session 11A Chairs: Eric Wetzel, Alejandro Aragon	Self-Healing Cementitious Materials / Self-Healing Materials for Infrastructure Applications C - Session 11B Chairs: Sanjay Pareek, Wendel Sebastian
10:45	Mechanical Model for the Self Healing Response of Coatings Based on Expansive Phases R. Rey, E. Javierre, M.A. Pérez, S.J. García, S. V.d.Zwaag, J.M. García-Aznar	Porous Network Concrete: New Approach To Make Concrete Structures Self-Healing Using Prefabricated Porous Layer S. Sangadji, E. Schlangen
11:00	Optimization Of The Self Healing Process In Low Surface Energy Coatings Using Mesoscopic Simulations K.S. Lyakhova, B.J. Markvoort, C.A. Esteves, B. De With	Self-Healing Concrete By Use Of Diatomaceous Earth Immobilized Bacteria J. Wang, N. De Belie, W.Verstraete
11:15	Toward A Damage Tolerance Analysis Of CMCs With A Self-Healing Matrix E. Baranger, L. Marcin, M. Genet, C. Cluzel, P. Ladevèze, A.Mouret	The Change Of Osmosis Pressure By Crack Self-Healing Of Cementitious Materials M. Song, S. Jeon, Y. Song
11:30	An Interface-Based Generalized Finite Element Method For The Meso-Scale Design Of Microvascular High-Temperature Composites P.H. Geubelle, S. Soghrati, J. H. Lin, P. Thakre, N.R. Sottos, S.R. White	Field Test Of Self-Healing Concrete On The Recovery Of Water Tightness To Leakage Through Cracks T. Kishi, T-H. Ahn, M. Morita, T. Koide
11:45	Modeling Oxidation Induced Crack Healing In Non-Oxide Ceramics & Metallo-Ceramics G. M. Song, S. B. Li, W. G. Sloof, S. V.d. Zwaag	Asphalt Mastic Self Healing A. García, E. Schlangen, M. Van De Ven
12:00	LUNCH	
	Self-Healing and Supramolecular Polymers C - Session 12A Chairs: Duncan Wass, Jeffrey Moore	Characterisation, Modelling & Optimisation of Self-Healing Materials D - Session 12B Chairs: Eric Brown, Santiago Garcia
13:30	Damage Healing In Composite Materials Employing Supramolecular Polymers S.G. Ivanov, T.C. Bor, L.L. Warnet, R. Akkerman, A.W. Bosman, D.M. Rivillo Perez, R.P. Sijbesma	Computational Design Of Microvascular Materials A.M. Aragón, P. H. Geubelle
13:45	Controlling Self-Healing in Soft Epoxy Networks via Supramolecular Association & Network Defects M.Capelot, D. Montarnal, F. Maes, L. Corté, F. Tournilhac, L. Leibler	Reversible Thermoset Systems for Coating Applns: Synthesis & Physicochemical Characterization in Bulk & Coating G. Van Assche, G. Scheltjens, J. Brancart, I. De Graeve, H. Terryn, B. Van Mele
14:00	Increasing Strength of Supramolecular Healable Materials through Multiple Cooperative $\pi$ - $\pi$ Stacking Interactions B.W. Greenland, W. Hayes, S. Burattini, H.M. Colquhoun	Micromechanical Modelling Of Polymer Networks To Support The Design Of Self-Healing Materials K. Nayak, E. Van Der Giessen
14:15	Room Temperature Healing of a Thermosetting Polymer Using the Diels-Alder Reaction A.M. Peterson, P. Pratama, R.E. Jensen, G.R. Palmese	Numerical Simulation Of Latconx - A Novel Self-Healing Cementitious-SMP Material S. C. Dunn, A. D. Jefferson, R. J. Lark, B Isaacs
14:30	Latex-Based Fast Self-Repair Mechanisms in Plants as Role Models for Development of Bio-Inspired Self-Healing Polymers G. Bauer, A. Nellesen, T. Speck	Numerical Simulation Of Micro-Capsule Based Self-Healing Materials S.D. Pang, P. Thao, T. Diep, S. T. Quek
14:45	BREAK (Octagon)	
	Self-Healing Cementitious Materials / Self-Healing Materials for Infrastructure Applications D - Session 13A Chairs: Diane Gardner, Nele De Belie	Mechanochemically & Thermally Activated Self-Healing / Thermoplastic Self-Healing C - Session 13B Chairs: Francois Tournilhac, Martha Williams
15:00	An Experimental Study On The Application Of Self-Repairing System To RC Structures Using Selective Heating T. Nishiwaki, A. Oohira, S. Pareek	Dynamic Temperature Measurements On A Thermally Activated Self-Healing Ionomer T. Haase, I. Rohr, K. Thoma
15:15	Self-Healing Concrete Structural Elements S.D. Pang, P. Thao, T. Diep, S. T. Quek	Self-Healing In Thin Polymer Membranes D.L. Zignego, V.S. Francischetti, C.H. Jenkins
15:30	Self-Healing In ECC Stimulated By SAP Under Flexural Cyclic Load J.S. Kim, E. Schlangen	Trimethylolpropanetriacrylate Loaded Nanopores PC Films With Self-Healing Potential R.Iskakov, A.Périchaud, A.Muzdubaeva1, L.Caserta, A.Mirsakieva, B.Khudaibergenov, I.Razumovskaya, P.Apel
15:45	Self Healing of Road-Use Bituminous Materials: Mechanical Characterization & Modelling J. Qiu, M. Van De Ven, A. Molenaar, S. Wu, J. Yu	Thermally De-Crosslinking Polymers: The Pathway To Reversible Thermosets? T. Broekhuis, F. Picchioni
16:00	BREAK (Octagon)	
16:15	CLOSING PLENARY [Tea Room]	
18:30	DRINKS RECEPTION & CONFERENCE DINNER (Ball Room & Octagon)	