

CAMS2016: Program		Day 1				Tuesday Dec. 6th
7:30	8:30	Registration Open in ATC Foyer				
8:30	9:00	Opening of CAMS2016 in ATC Auditorium				
9:00	10:00	Plenary (ATC Auditorium) Professor Michael Khor				
10:00	10:30	Morning Tea (30 mins): Networking in ATC Foyer				
		EN101	EN102	EN103	EN202	EN203
10:30	12:30	A1: Future Manufacturing, Processes & Products Chair: Y. Durandet & M. Brandt	H1: Corrosion, Degradation & Wear Chairs: S. Wade & N. Birbilis	D1: Durable Materials in Demanding Environments Chair: M. Barnett	I1: Light Metals Design Chair: N. Stanford	C1: Translational Research in Polymers & Composites Chair: B. Fox
12:30	13:45	LUNCH BREAK (1 h 15 mins) Networking Opportunity				
13:45	15:15	A2: Future Manufacturing, Processes & Products Chair: Y. Durandet & M. Brandt	H2: Corrosion, Degradation & Wear Chairs: S. Wade & N. Birbilis	D2: Durable Materials in Demanding Environments Chair: M. Barnett	K1: Nanostructured & Nanoscaled Materials Chair: J. Seidel	C2: Translational Research in Polymers & Composites Chair: B. Fox
15:15	15:45	Afternoon Tea (30 mins) Networking Opportunity				
15:45	17:45	A3: Future Manufacturing, Processes & Products Chair: Y. Durandet & M. Brandt	H3: Corrosion, Degradation & Wear Chairs: S. Wade & N. Birbilis	D3: Durable Materials in Demanding Environments Chair: M. Barnett	K2: Nanostructured and Nanoscaled Materials Chair: J. Seidel	C3: Translational Research in Polymers & Composites Chair: B. Fox
18:00	20:00	Evening Reception, Poster Session, Networking, Exhibitor and Sponsor Interaction				

CAMS2016: Program		Day 2				Wednesday Dec. 7th
7:30	8:45	Registration Open in ATC Foyer				
8:45	9:00	Updates and notices in ATC Auditorium				
9:00	10:00	Plenary (ATC Auditorium) Professor David St JOHN				
10:00	10:30	Morning Tea (30 mins): Networking in ATC Foyer				
10:30	12:30	A4: Future Manufacturing, Processes & Products Chair: Y. Durandet & M. Brandt	G1: Advances in Steel Technology Chairs: E. Pereloma & H. Beladi	F1: Advancements in Materials Characterization Chairs: J. Cairney & V. Bhatia	E1: Materials for Energy Generation, Conversion & Storage Chairs: L. Fu, J. Hart & R. Caruso	C4: Translational Research in Polymers & Composites Chair: B. Fox
12:30	13:45	LUNCH BREAK (1 h 15 mins) Networking Opportunity				
13:45	15:15	A5: Future Manufacturing, Processes & Products Chair: Y. Durandet & M. Brandt	G2: Advances in Steel Technology Chairs: E. Pereloma & H. Beladi	F2: Advancements in Materials Characterization Chairs: J. Cairney & V. Bhatia	E2: Materials for Energy Generation, Conversion & Storage Chairs: L. Fu, J. Hart & R. Caruso	I2: Light Metals Design Chair: N. Stanford
15:15	15:45	Afternoon Tea (30 mins) Networking Opportunity				
15:45	17:45	A6: Future Manufacturing, Processes & Products Chair: Y. Durandet & M. Brandt	G3: Advances in Steel Technology Chairs: E. Pereloma & H. Beladi	F3: Advancements in Materials Characterization Chairs: J. Cairney & V. Bhatia	E3: Materials for Energy Generation, Conversion & Storage Chairs: L. Fu, J. Hart & R. Caruso	L1: Cements & Geopolymers and Use of Waste Materials Chair: R. San Nicolas
18:00	20:00	Evening Reception in Hawthorn Town Hall (Ticket required for admission)				

CAMS2016: Program		Day 3				Thursday Dec. 8th
7:30	8:45	Registration Open in ATC Foyer				
8:45	9:00	Updates and notices in ATC Auditorium				
9:00	10:00	Plenary (ATC Auditorium) Professor B.S. Murty				
10:00	10:30	Morning Tea (30 mins): Networking in ATC Foyer				
		EN101	EN102	EN103	EN202	
10:30	12:30	J1: Metal Casting & Thermalmechanical Processing Chairs: M. Dargusch & M. Easton	G4: Advances in Steel Technology Chairs: E. Pereloma & H. Beladi	M1: Nuclear Waste & Fuel Chairs: D. Gregg & E.R. Vance	B1: Biomaterials & Ceramics Chair: A. Ruys	
12:30	13:45	LUNCH BREAK (1 h 15 mins) Networking Opportunity				
13:45	15:15		G5: Advances in Steel Technology Chairs: E. Pereloma & H. Beladi	F4: Advancements in Materials Characterization Chairs: J. Cairney & V. Bhatia	B2: Biomaterials & Ceramics Chair: A. Ruys	
15:15	15:45	Afternoon Tea (30 mins) Networking Opportunity				
15:45	17:00		G6: Advances in Steel Technology Chairs: E. Pereloma & H. Beladi		B3: Biomaterials & Ceramics Chair: A. Ruys	
17:00	17:15	ATC Auditorium ... Close of CAMS2016: Thank you, Safe travels, and Farewell!				

CAMS2016: Program			Day 1			Tuesday December 6th		
	7:30	8:30	Registration Open in ATC Foyer					
	8:30	9:00	Opening of CAMS2016 in ATC Auditorium					
	9:00	10:00	Plenary (ATC Auditorium) Professor Michael Khor: Advanced Materials Processing Trends: Towards a more integrated and data-intensive approach for sustainable manufacturing, Nanyang Technological Uni., Singapore					
	10:00	10:30	Morning Tea (30 mins): Networking in ATC Foyer					
			EN101	EN102	EN103	EN202	EN203	
			A1: Future Manufacturing, Processes & Products Chairs: Y. Durandet & M. Brandt Session Chair: David St John	H1: Corrosion, Degradation & Wear Chairs: S. Wade & N. Birbilis Session Chair: Scott Wade	D1: Durable Materials in Demanding Environments Chair: M. Barnett Session Chair: M. Barnett	I1: Light Metals Design Chair: N. Stanford Session Chair: TBD	C1: Translational Research in Polymers & Composites Chair: B. Fox Session Chair: Bronwyn Fox	
1	10:30	10:45	J. Norrish: Uni. of Wollongong 'From rapid prototyping to repair and additive manufacture using robotic arc welding'	I.S.Cole, F.Chen, C. Chu, M. Breedon, W.Ganther, E. Sapper: CSIRO Manufacturing, BOEING (USA) 'Predicting material life: From Corrosion mapping to Computational Design'	M.R. Ripoll: AC2T Research GmbH (Austria) 'Enhanced wear protection by microstructural design of high speed steel laser hardfacings '	A. Lodh, I. Samajdar, C. Hutchinson: IIT-B (India), Monash Uni. 'The correlation between dislocation density, arrangement and residual stress evolution'	M. Gee: Boeing 'Industry-Uni. partnerships: Arranged marriage or perfect match?'	
2	10:45	11:00				C. Todaro, M. Qian, M. Easton, D. StJohn: Uni. Queensland, RMIT Uni. 'The Effect of Ultrasonic Treatment on the Formation and Segregation of Primary Intermetallic Compounds and Primary Silicon in an Al-19Si-4Fe Foundry Alloys'		
3	11:00	11:15	C. Thong, S. Petinakis: CSIRO 'Designing commercial products using advanced materials and manufacturing: increasing the impact of material science'	S. Lynch: Monash Uni. 'Overview of mechanisms and kinetics of environmentally assisted cracking'	J.D. Gates: Uni. of Queensland 'The ball mill edge-chipping test (BMECT) for high-productivity evaluation of relative fracture resistance of hard alloys'	Q. Zhang, X. Gao, L. Wang, C. Hutchinson: Monash Uni. 'Enhanced fatigue performance in underaged Al Alloys'	D.A. Lewis: Flinders Uni. 'A case study of turning science into a new product: How it was actually done'	
4	11:15	11:30				E. Farabi, P.D. Hodgson, H. Beladi: Deakin Uni. 'The role of thermomechanical processing on the martensitic transformation characteristics in pure titanium '		
5	11:30	11:45	M. Easton, Y.F. Yang, S. Zhu, T. Abbott, M. Brandt: RMIT Uni. 'Opportunities and challenges for using selective laser melting to prototype aluminium die castings'	Y. Qiu, M. Gibson, H. Frasier, N. Birbilis: Monash Uni. 'Corrosion resistant light-weight High Entropy Alloy'	B. Hebbbar: Keech Australia 'Wear-resistant materials for mining applications'	D. Qiu, M. Easton: RMIT 'Duplex grain refinement of beta and alpha Titanium through inoculation'	B. Dunstan: Asia Pacific Engineering Director of Multimatic 'Science, Engineering and Management to provide industry focus and leadership in the research community'	
6	11:45	12:00	X. Zhang, M. Leary, M. Qian: RMIT Uni., Northeastern Uni. (China) 'Effect of geometric parameters on Ti-6Al-4V orthopaedic implant strut morphology manufactured by selective electron beam melting (SEBM)'	R. Liu, N. Birbilis: Monash Uni. 'On the development of corrosion resistant Mg alloys via cathodic poisoning'		P.Sh. Naseri, D.R.G. Mitchell, M. Ahmed, E.V. Pereloma: Uni. of Wollongong. 'The microstructure evolution in a near-beta Ti-10V-3Fe-3Al alloy during compression deformation'		
7	12:00	12:15	I. Timokhina, H. Beladi, P.D. Hodgson: Deakin Uni. 'Nanostructural engineering of advanced high strength steels'	M. Moriarty, T. Murray, C. Hutchinson: Monash Uni. 'The effect of phase fraction, size and connectivity on the dezincification resistance of duplex brasses'	K. Dolman: Weir Minerals Australia 'New developments in chromium carbide hardfaced welding consumables'	A. Dehghan-Manshadi, M. Qian, M. Dargusch, D. StJohn: Uni. of Queensland, RMIT Uni. 'Metal Injection moulding of non-spherical hydride-dehydride Ti powder '	A.P. Mouritz: RMIT Uni. 'Improving the explosive blast resistance of fibre-polymer composites'	
8	12:15	12:30		D.S. Ward, Adelaide Polymer Consultancy 'Investigation Of Premature Cracking Failure In Amorphous Thermoplastic Components'		H. Watari, Tokyo Denki Uni. (Japan) 'Development of hot forging process high aluminum content magnesium alloys manufactured by horizontal twin-roll casting'		
	12:30	13:45	LUNCH BREAK (1 h 15 mins) Networking Opportunity					

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			A2: Future Manufacturing, Processes & Products Chairs: Y. Durandet & M. Brandt Session Chair: Ilana Timokhina	H2: Corrosion, Degradation & Wear Chairs: S. Wade & N. Birbilis Session Chair: Peter Mart	D2: Durable Materials in Demanding Environments Chair: M. Barnett Session Chair: Manel Ripoll	K1: Nanostructured & Nanoscaled Materials Chair: J. Seidel Session Chair: Pankaj Sharma	C2: Translational Research in Polymers & Composites Chair: B. Fox Session Chair: Nishar Hameed	
9	13:45	14:00	H. Li, Z. Pan, D. Ding, S. Van Duin, J. Norrish: Uni. of Wollongong 'Recent development in wire arc additive manufacturing (WAAM) At Uni. Of Wollongong'	D. O. Northwood, A.S. Toloei, V. Stoilov: Uni. of Windsor (Canada) 'Relationships between surface roughness and corrosion resistance'	M.P. Pereira, A. Mostaani, B.F. Rolfe: Deakin Uni. 'Modelling the scratch test to better understand abrasive wear'	M. Bhaskaran, P. Gutruf, S. Sriram: RMIT Uni. 'Transparent oxide thin film stretchable devices'	A.K-T. Lau: Swinburne Uni. of Technology 'Natural fibre composites - Their properties and applications '	
10	14:00	14:15						
11	14:15	14:30	K. Jarvis, S. McArthur: ANFF-Vic Biointerface Engineering Hub, Swinburne Uni. of Technology 'Investigating the effect of reactor geometry on plasma polymerised acrylic acid films'	A. Osman, M.A. Javed, L.L. Blackall, J.S. Leontini, S.A. Wade: Swinburne Uni. of Technology 'Effect of copper ions on the bacterial attachment and subsequent corrosion of copper by sulphate reducing bacteria'	V. Bhatia, G. Proust, J. Cairney: Sydney Uni. 'Improved wear resistance of Hadfield steel through the addition of carbides'	P. Sharma: UNSW 'Ferroelectric domain walls as novel nanoelectronic elements'	G. Simon: Monash Uni. 'Polymeric draw media for forward osmosis desalination'	
12	14:30	14:45	M. Okazaki, Y. Yonaguni, S. Yamagishi 'Effect of loading frequency on thermo-mechanical fatigue failure modes of a thermal barrier coatings'	H.C. Phan, S.A. Wade, L.L. Blackall: Swinburne Uni. of Technology 'Is marine sediment the source of microbes associated with accelerated low water corrosion?'	H. Li, A. Al-Juboori, H. Zhu, D. Wexler, C. Lu, A. McCusker, L. Cheng: Uni. of Wollongong 'Thermomechanical simulation of white etching layer formation on the rail steel'			
13	14:45	15:00	M. Weiss, B. Abeyrathna, B. Rolfe, L. Pan, R. Ge: Deakin Uni., Wuhan Iron and Steel Company 'Flexible roll forming of components with variable depth'	S. Cao, S. Lim, X. Wu: Monash Uni. 'Stress-corrosion cracking in Ti-8Al-1Mo-1V '	G. Proust, W.H. Kan, V. Bhatia, K. Dolman, T. Lucey, X. Tang, C. Li, J. Cairney: The Uni. of Sydney, Weir Minerals Australia 'The development of NbC reinforced martensitic stainless steel composites for high wear applications'	E.J. Oghenevweta, D. Wexler, A. Calka: Uni. of Wollongong 'Mechanisms of reaction between titanium and graphite during mechanically induced self-propagating reaction synthesis of titanium carbide'	B. Laycock: Uni. of Queensland 'Wood biopolymer composites'	
14	15:00	15:15	A.S.M. Ang, V. Luzin, C.C. Berndt, A. Anupam, S. Praveen, R.S. Kottada, B.S. Murty: ANSTO, Swinburne Uni., IIT Madras 'Residual stress and mechanical characterisation plasma sprayed high entropy alloys'	M.A. Javed, W.C. Neil, G. McAdam, S.A. Wade: Swinburne Uni. of Technology, Australia Defence Science and Technology Group 'Evaluation of microbiologically influenced corrosion performance of different metal types exposed to sulphate reducing bacteria'		M. Nanko, H.V. Pham: Nagaoka University of Technology (Japan) 'Ni/Al ₂ O ₃ Nanocomposites as Multi-functional Structural Ceramics'		
	15:15	15:45	Afternoon Tea (30 mins)					

CAM2016: Program			Day 1			Tuesday December 6th		
			EN101	EN102	EN103	EN202	EN203	
			A3: Future Manufacturing, Processes & Products Chairs: Y. Durandet & M. Brandt Session Chair: Matthias Weiss	H3: Corrosion, Degradation & Wear Chairs: S. Wade & N. Birbilis Session Chair: Grant McAdam	D3: Durable Materials in Demanding Environments Chair: M. Barnett Session Chair: Jeff Gates	K2: Nanostructured and Nanoscaled Materials Chair: J. Seidel Session Chair: Sharath Sriram	C3: Translational Research in Polymers & Composites Chair: B. Fox Session Chair: Mats Isaksson	
15	15:45	16:00	C.Y. Chan: Lee Kee Holdings Limited 'Inheritance & innovation in the traditional metal industry'	A.K Martin, A.S.M. Ang, W. Ganther, P. Cook, D. Fullston: CSIRO, Kwik-Coat Australia, Swinburne Uni. of Technology 'Corrosion of zinc alloys with small compositional differences exposed to salt spray testing corrode at different rates'	M. Barnett: Deakin Uni. 'A material property map for wear resistant steels'	S. Sriram, T. Ahmed, J. Kim, H. Nili, S. Walia, M. Bhaskaran: RMIT Uni. 'Transparent resistive switching electronic memories based on amorphous SrTiO(3-x)'	M. Heitzmann: The Uni. of Queensland 'A productised approach to translational research and industry engagement'	
16	16:00	16:15		A. Somers, G. Deacon, A. Chong, B. Hinton, D. MacFarlane, M. Forsyth: Deakin Uni., Monash Uni. 'Recent developments in organic corrosion inhibitors for mild steel'				
17	16:15	16:30	D. Jiang, E. Brodie, J. Krechman, M. Jurg, M. Brameld, N. Stanford, N. Birbilis, C. Hutchinson: Woodside Energy, Monash Uni. '3D printing of duplex stainless steels'	Y. Peng, T. Hughes, G. Deacon, B. Hinton, M. Forsyth, A. Somers, J. Mardel: Deakin Uni., CSIRO, Monash Uni. 'Corrosion inhibition of mild steel by rare earth carboxylate compounds'	G. Saha, D. Fabijanac, B. Hebbar, M.R. Barnett: Deakin Uni., Keech Casting 'Characterization of a worn excavator digger tooth'	Z. Liu, P. Koshy, J. Hart, C.C. Sorrell: UNSW 'Preparation of ceria nanoparticles by precipitation method and investigation of their defect characteristics'	D.J. Martin: The Uni. of Queensland 'Cellulose nanofibres from spinifex arid grasses: "Greener, Longer and Tougher", thanks to 20 million years of resilient adaptation'	
18	16:30	16:45	N. Gurung, Y. Durandet: Swinburne Uni. of Technology 'Study of the piercing stage of self piercing rivets'	W. Xu, M. Ferry, N. Birbilis, G. Sha: Nanjing Uni. of Science and Technology (China), UNSW, Monash Uni. 'A High-specific-strength and corrosion-resistant ductile Mg alloy'	A. Ghaderi, D. Fabijanac, M. Barnett: Deakin Uni. 'Influence of the abrasive size indenter on the scratch resistance of a high strength martensitic steel'	H. Ren, P. Koshy, C.C. Sorrell: UNSW 'Effect of crystal structure and grain morphology on the photocatalytic performance of BiVO4'		
19	16:45	17:00	M. Ramajayam, N. Stanford: Deakin Uni., Monash Uni. 'Microstructure development and solute behaviour in Fe-C and Fe-C-V alloys during strip casting'	M. U. Manzoor, A. Salman, T. Ahmad, M. Kamran, A. Farooq, H. Sajjad, H. Zafar, N. Ali: Department of Metallurgy & Materials Engineering, CEET, University of the Punjab (Pakistan) 'Electrochemical characterization of PVD Coated AlTiN on stainless steel substrate for biomedical implant'	B.T. Narayanaswamy, P.D. Hodgson, P. Cizek, A. Ghaderi, Q. Chao, H. Beladi: Deakin University 'Investigation on the abrasive wear behaviour of ferrous microstructures with similar bulk hardness levels using a scratch-tester method'	A. Zafari, K. Xia, Uni. of Melbourne 'Precipitation of equiaxed α in severely deformed beta titanium alloys'	G.K. Such: Uni. of Melbourne 'Engineering "Smart" nanoparticles for improved nanomedicine'	
20	17:00	17:15	Y. Durandet, S. Hajimohammadi: Swinburne Uni. of Technology 'Self pierce riveting to join sheet materials: Challenges and solutions'		A. Kostyryzhev, C. Killmore, E. Pereloma: Uni. of Wollongong, BlueScope Steel Ltd 'Wear resistance of quenched and tempered steels microalloyed with titanium'	P. Chandran, A. Zafari, E.W. Lui, K. Xia: Uni. of Melbourne 'Mechanically alloyed Al-5 at.% Nb consolidated by equal channel angular pressing'		
21	17:15	17:30	L. Djumas, A. Molotnikov, G. Simon, Y. Estrin: Monash Uni., NUST (Russia) 'Topological interlocking: Towards new hybrid materials'		J. Erkkilä: SSAB Special Steels 'Wear scenarios and selection of wear resistant materials'	K. Pancholi: Robert Gordon Uni. (Scotland) 'Nonlinear process of self-assembly in formation of nano-structure'	E. Hilder: Uni. of SA 'Polymeric monolithic materials for analytical applications'	
22	17:30	17:45				J. Wandiyanto, V.K. Truong, X.M. Xu, V.T.H. Pham, A.S.M. Ang, C.C. Berndt, R.J. Crawford, E.P. Ivanova: IMEC (Belgium), RMIT, Swinburne Uni. 'Antibacterial activity of highly ordered nano-arrayed silicon surfaces'		
	18:00	20:00	Evening Reception, Poster Session, Networking, Exhibitor and Sponsor Interaction					

Poster presentations		
1	C.Y. Chen, J.R. Sellar: Pyrotek Products, Monash University	Electron diffraction from micro- and nano-structured cubic zirconia
2	A. Hasegawa, H. Nakamura, M. Sato, Y. Kadoma, O. Okada: NIT Hachinohe College, Renaissance Energy Research Co. (Japan)	Preparation and characterization of a novel heat resistance alumina using coprecipitation method
3	A-M. Paniagua-Mercado, P. Estrada-Díaz, J. Reyes-Martínez, G. Gomez-Gasga, H. Dorantes-Rosales, C. Mejía-García, E. Diaz-Valdes: Instituto politécnico Nacional (México)	Formation of iron carbide as protect surface of chemical corrosion, by carbon nanoparticles in refractory mixes of Al ₂ O ₃ SiC-C
4	A-M. Paniagua-Mercado, A. Mauro-Nolasco, E. Díaz-Valdés, J. Ibarra-Báez, C. Mejía-García: Instituto politécnico Nacional (México)	Properties characterization of impregnated nanoparticles of titanium oxide in surfaces of textile fibers ceramics
5	E. Diaz-Valdes, C. Mejía-García, G.S. Contreras Puente, T. Molina Mil: Instituto politécnico Nacional (México)	Processing and characterization of semiconductor-superconductor composite materials (CdS-Bi-based composites)
6	C. Mejía-García, A.M.P. Mercado, E. Diaz-Valdes, A. Cruz-Orea, M.L.R. Morales: M.A.A. Ibarra: Instituto politécnico Nacional (México), Lab. LaNSE (México)	Synthesis and characterization of clay with sawdust and Ag nanoparticles
7	A. Antony, D. Fabijanic, N. Stanford, P.D. Hodgson: Monash University, Deakin University	Model alloy approach to study the evolution of microstructure in deep cryogenically treated martensitic steels
8	S. Matsuura, M. Nanko, M. Kutata: Nagaoka University of Technology, Nuclear Science and Engineering Directorate Japan Atomic Energy Agency (JAEA)	Disappearance of ZrO ₂ scale formed on zircaloy fuel rods with molten control rods during severe accident of boiling water reactor
9	K. Mester, T. Dorin, M. Barnett, M. Weiss: Deakin University	Effect of Sc and Zr additions on microstructure and properties of extruded parts of Al-Cu-Li alloys
10	X. Li, W. Xu, M. Ferry: UNSW	Precipitation behaviour of 2205 duplex stainless steels during thermal processing
11	A. Alsubaie, P. Sharma, J. Seidel: UNSW	Nanoscale ferroelectric domain structure of bismuth ferrite BiFeO ₃ under different strains
12	A. Bagheri, A. Nazari, J. G. Sanjayan, P. Rajeev, W. Duan: Swinburne University of Technology	Role of boron as an eco-friendly replacement in alkali-activated materials and fly ash-based geopolymers
13	A. Mehjabeen, M. Qian, W. Xu: RMIT University	The developments of zirconium and it's alloys in orthopaedic & dental implants
14	K. Beggs, D. Gunzelmann, L. O'Dell, L. Servinis, T. Gengenbach, B. Fox, L.Henderson: Deakin University, CSIRO Manufacturing, Swinburne University	Optimising surface functionalisation of carbon fibre to enhance interfacial adhesion
15	N. Haghdadi, P. Cizek, P.D. Hodgson, G.S. Rohrer, V. Tari and H. Beladi: Deakin University, Carnegie Mellon University (USA)	Effect Of transformation path on the austenite-ferrite interface characteristics in the duplex stainless steel
16	E. Farabi, P.D. Hodgson, H. Beladi: Deakin University	The role of thermomechanical processing on the martensitic transformation characteristics in pure titanium
17	M. Parvizi, S.P. Ringer, M. Eizadjou: The University of Sydney	Transverse rolling and sequence heat treatment of ultra-fine grain duplex steel
18	D.S. Ward: Adelaide Polymer Consultancy	Investigation of premature cracking failure in amorphous thermoplastic components
19	R. Shabbar, P. Nedwell, Z. Wu: University of Manchester (UK), University of Kufa (Iraq)	Mix proportioning of lightweight aerated concrete using response surface methodology
20	P. Godonou: Uppsala University (Sweden)	Steel cell reinforcement: An alternative and sustainable material for buildings and civil works
21	J.Y. Cho, W. Xu, M. Qian: RMIT University	Microstructural homogeneity of Ti-6Al-4V alloy manufactured by selective laser melting technique
22	S.H. Islam, M. Qian, D. Parker, R. Chen: RMIT University	Characterisation of the intermetallic layer of 55Al-Zn-Si-Mg hot dip coated steel strips using Focused Ion Beam (FIB) and Transmission Electron Microscopy (TEM)

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8:45	9:00	Updates and notices in ATC Auditorium					
9:00	10:00	Plenary (ATC Auditorium) Professor David St JOHN: A Personal perspective on the intersection between materials science and the research priorities of manufacturing and government, Uni. of Queensland					
10:00	10:30	Morning Tea (30 mins): Networking in ATC Foyer					
		EN101	EN102	EN103	EN202	EN203	
		A4: Future Manufacturing, Processes & Products Symp. Chairs: Y. Durandet & M. Brandt Session Chair: Huijun Li	G1: Advances in Steel Technology Symp. Chairs: E. Pereloma & H. Beladi Session Chair: Elena Pereloma	F1: Advancements in Materials Characterization Symp. Chairs: J. Cairney & V. Bhatia Session Chairs: Julie Cairney / Vijay Bhatia	E1: Materials for Energy Generation, Conversion & Storage Symp. Chairs: L. Fu, J. Hart & R. Caruso Session Chair: Rachel Caruso	C4: Translational Research in Polymers & Composites Symp. Chair: B. Fox Session Chair: Nishar Hameed	
1	10:30	10:45	M. Qian: RMIT Uni. 'Additive manufacturing of Ti-6Al-4V: Microstructure, defects, tensile properties, and fatigue strength'	T. Furuhashi: Tohoku Uni. (Japan) 'Important roles of phase transformations on advanced design of modern high strength steels'	A. Ceguerra, A. Breen, L. Stephenson, S. Ringer: The Uni. of Sydney 'Data mining for atom probe spatial reconstructions'	K. Lu: Virginia Polytechnic Institute and State Uni. (USA) 'Material needs and developments in energy conversion, harvesting, and storage'	R. Al-Mahaidi: Swinburne Uni. of Technology 'Seismic performance assessment of CFRP-repaired RC structures using hybrid simulation'
2	10:45	11:00					
3	11:00	11:15	J. Sankar: NC A&T State Uni. (USA) 'Revolutionizing metallic biomaterials for biodegradable implants – A global status'	S-J Kim: PosTech (S. Korea) 'Development of ultrafine-grained 3rd generation medium Mn AHSS having interlath morphology'	P. Koshy, S.A. Koszo, C.C. Sorrell: UNSW, Vecor Australia Pty Ltd 'High-performance ceramics from waste materials'	S. Duyker: ANSTO 'Progressing energy technologies through understanding atomic-scale materials function using neutron/X-ray scattering and computational methods'	J. Ma: Uni. of SA 'Processing polymers with graphene sheets'
4	11:15	11:30			M. Parvizi, S.P. Ringer, M. Eizadjou: The Uni. of Sydney 'Transverse rolling and sequence heat treatment of ultra-fine grain duplex steel'		
5	11:30	11:45	W. Xu, E. Lui, M. Qian, M. Brandt: RMIT Uni. 'Regulate microstructure in situ in Ti-6Al-4V additively manufactured by selective laser melting for superior mechanical properties'	M. Eizadjou, H-W Yen, S.P. Ringer: The Uni. of Sydney, National Taiwan Uni. (Taiwan) 'Modulating of austenite stability in an Al-modified low C-medium Mn Duplex Steel'	F. Theska, S. Primig: UNSW 'High-resolution characterization of advanced high-temperature materials'	Y.H. Ng., Uni. of New South Wales 'Photoelectrochemical water splitting using bismuth-based ternary oxide semiconductors'	J. Mardel: CSIRO 'Failure analysis of composite materials'
6	11:45	12:00		W. Sun, R. Marceau, D. Barbier, M. Styles; C. Hutchinson: Monash Uni., Deakin Uni., CSIRO, ArcelorMittal 'New nano-precipitation hardened 2GPa strength steel'	H. Tsukamoto: Hosei Uni. (Japan) 'Mechanical properties of hot-rolled Al/ Fe clad structures'		
7	12:00	12:15	M. Jurg, W. Yan, A. Molotnikov: Monash Uni. 'Surface improvement for complex selective laser melting Ti-6Al-4V in fatigue applications'	S. Dhara, K. Wood, T. Dorin, R.K.W. Marceau, P.D. Hodgson: Deakin Uni., ANSTO 'Towards a better understanding of carbide precipitation in a Ti-Mo microalloyed steel using SANS and APT'	R. Dippenaar: Uni. of Wollongong 'High-temperature Microscopy'	L. Fu, Z. Li, Q. Gao, Z. Li, K. Peng, L. Li, S. Mokkapati, K. Vora, H.H. Tan, C. Jagadish, Z. Zhong, J. Wu, G. Zhang, Z. Wang: Uni. of Electronic Science and Technology of China, The Australian National Uni. 'Axial junction InP single nanowire solar cells '	G. Prusty: Uni. of New South Wales 'Automated manufacture of advanced composites: Processing and online monitoring'
8	12:15	12:30		S. Yang, C. Hutchinson: Monash Uni. 'Improving the fatigue response of steels through architected surfaces'	D. Bhattacharyya, A. Xu: ANSTO 'In situ Micro-mechanical testing – A novel Method for Testing Irradiated Materials'	S. Wang, H. Wang: South China Uni. of Technology 'Flexible SnO2 CNFs film anode for high performance lithium-ion batteries'	
12:30	13:45	LUNCH BREAK (1 h 15 mins) Networking Opportunity					

			EN101	EN102	EN103	EN202	EN203	
			A5: Future Manufacturing, Processes & Products Symposium Chairs: Y. Durandet & M. Brandt Session Chair: Dong Qiu	G2: Advances in Steel Technology Symp. Chairs: E. Pereloma & H. Beladi Session Chair: Sun-Joon Kim	F2: Advancements in Materials Characterization Symp. Chairs: J. Cairney & V. Bhatia Session Chairs: Julie Cairney / Vijay Bhatia	E2: Materials for Energy Generation, Conversion & Storage Symp. Chairs: L. Fu, J. Hart & R. Caruso Session Chair: Judy Hart	I2: Light Metals Design Symposium Chairs: N. Stanford Session Chair: TBD	
9	13:45	14:00	B. Fox: Swinburne Uni. of Technology 'The "Factory of the Future" and high volume automated materials'	M. Zhang, J. Li, M. Li, G. Wang, Q. Zheng: The Uni. of Queensland, Baoshan Steel Company (China) 'A novel approach to grain refinement of steel castings '		A. Cuevas: The Australian National Uni. 'Selective materials for simple solar cells'	Z. Zeng, M. Bian, Y. Zhu, S. Xu, C.H.J. Davies, N. Birbilis, J-F. Nie: Monash Uni.; Baosteel Company (China) 'Texture evolution in magnesium alloys during cold rolling and annealing'	
10	14:00	14:15					S.C.V. Lim, K.V. Yang, J.F. Sun, C.H.J. Davies, X. Wu: Monash Uni.: Baosteel Company (China) 'Microstructure evolution characterization of hot deformed and post-annealed Ti alloy using double cone samples.'	
11	14:15	14:30	N. Perevoshchikova, J. Rigaud, B. Finnin, S. Sha, X. Wu: Monash Uni., ENSIACET (France) 'Optimisation of selective laser melting parameters for the Ni-based superalloy IN-738 LC using Doehlert's design'	Simon P. Ringer: The Uni. of Sydney 'Thermo-mechanical processing advanced high-strength steels: Atom probe microscopy guided materials design'	J- 'Mic alloy r 4V alting	K. Lu, A. Tricoli: The Australian National Uni. 'Nanoarchitectonics of chemical sensors and optoelectronic devices for personalized and preventive medicine '	H.Qi. Ang, T. Abbott; D. Qiu, C. Gu, S. Zhu, M. Easton: Monash Uni., RMIT Uni., Magontec 'The strain rate sensitivity of HPDC Mg-Al alloy'	
12	14:30	14:45	C. Hutchinson, M. Jurg, W. Sun, S. Thomas, M. Brameld, N. Birbilis: Monash Uni., Woodside Energy 'On demand 3D printing of stainless steel parts'				S.H. Islam, M. Qian, D. Parker, R. Chen: RMIT Uni. 'Characterisation of the intermetallic layer of 55Al-Zn-Si-Mg hot dip coated steel strips using Focussed Ion Beam (FIB) and Transmission Electron Microscopy (TEM)'	N.J. Edwards, W. Song, G. Lu, S.J. Cimpoeu, D. Ruan: Swinburne Uni., Defence Science and Technology Group 'Dynamic testing of 2024-T351 aluminium using a Hat-shaped specimen'
13	14:45	15:00	P. Chandran, A. Zafari, K. Xia, Uni. of Melbourne 'Phase evolution during mechanical alloying of Al and Nb'	L. Wang, L. Brassart, A. Arlazarov, C. Hutchinson: Monash Uni. ArcelorMittal 'The strength of tempered martensite'	R. Marceau, A. Ceguerra, A. Breen, D. Raabe, N. Birbilis, S. Ringer: Uni. of Sydney, Monash Uni., Max-Planck-Institut für Eisenforschung (Germany) 'Short-range order analysis of atom probe tomography data'	Z. Yu: Uni. of Wisconsin – Madison(USA) 'Low-index photonic materials for photon management'	H. Izui, S. Kamegawa, K. Toen, Y. Komiya, Nihon Uni. (Japan) 'Wear behavior of TiB/Ti and TiC/Ti composites with different Ti powders'	
14	15:00	15:15		S. Pramanik, A.A. Saleh, A.A. Gazder, E.V. Pereloma: Uni. of Wollongong 'Microstructure evolution during the cold rolling of transformation and twinning -induced plasticity steel'				
	15:15	15:45	Afternoon Tea (30 mins)					

			EN101	EN102	EN103	EN202	EN203
			A6: Future Manufacturing, Processes & Products Symp. Chairs: Y. Durandet & M. Brandt Session Chair: Wei Xu	G3: Advances in Steel Technology Symp. Chairs: E. Pereloma & H. Beladi Session Chair: Michael Ferry	F3: Advancements in Materials Characterization Symp. Chairs: J. Cairney & V. Bhatia Session Chairs: Julie Cairney / Vijay Bhatia	E3: Materials for Energy Generation, Conversion & Storage Symp. Chairs: L. Fu, J. Hart & R. Caruso Session Chair: Antonio Tricoli	L1: Cements & Geopolymers and Use of Waste Materials Symp. Chair: R. San Nicolas Session Chair: Ali Nazari
15	15:45	16:00	A.S.M. Ang, R. Piola, W. Neil, C.C. Berndt, M. Leigh, H. Howse, S.A. Wade: Swinburne Uni., DST Group, United Surface Technologies, MacTaggart Scott Australia 'Novel carbide-based coatings for marine hydraulic applications: Mechanical, biofouling and corrosion performance'	Y. Wu, W. Sun, M. Styles, A. Arlazarov, C. Hutchinson: Monash, CSIRO, ArcelorMittal 'Batch annealing of 3 rd generation advanced high strength steels'	E. Adabifiroozjaei, J. Hart, P. Koshy, C.C. Sorrell: UNSW 'The interfacial characteristics of mullite-glass: molecular dynamic simulation'	F. Scholes: CSIRO 'Powering the future with printed solar films'	E.O. Garcez, J. Hoppe Filho, M.R. Garcez, L.C.P. Silva Filho, G.C. Isaia: Federal Uni. of Bahia (Brazil), Federal Uni. of Rio Grande do Sul (Brazil), Federal Uni. of Santa Maria (Brazil), Deakin Uni. 'Evaluation of residual rice husk ash reactivity'
16	16:00	16:15	T. Majumdar, J. Wang, E. Massahud, N. Birbilis: Centro Federal de Educaçao Tecnológica de Minas Gerais (Brazil), Monash Uni. 'A novel methodology for examining the re-passivation characteristics of highly noble alloys'		S. Khot, P. Sutar, S. Mishra, S. Telrandhe, R.K.P. Singh: Bharat Forge Ltd (India, IIT-Bombay 'Influence of laser parameter on surface microstructure modification of Ti-6Al-4V'		B. Lynch, A. Nazari, S. Wade: Swinburne Uni. of Technology 'Corrosion of steel fibre reinforced mortars - A microstructural investigation'
17	16:15	16:30	P. Sutar, S. Khot, S. Mishra, S. Telrandhe, R.K.P.Singh: Indian Institute of Technology, Bharat Forge Limited (India) 'Machinability improvement of Ti-6Al-4V by laser surface treatment'	S. Takaki: Kyushu Uni. (Japan) 'Yielding mechanism of polycrystalline iron'	T. Ahmad, M.T.Z. Butt, M. Kamran, M. U. Manzoor: Uni. of the Punjab (Pakistan) 'Studying The Effect Of Carbon Fiber-Silica Sand Nanoparticles On Copper Based Hybrid Composites'	J. Hart, F. Kurnia, N. Valanoor, Y.H. Ng, N. Allan: Bristol (UK), UNSW 'Semiconductor solid solutions and heterostructures for visible light photocatalysis: From design to application'	M. Berndt, J. Sanjayan, R. Pathmanathan, K. Pasupathy: Swinburne Uni. 'Service life modelling for geopolymer concrete in atmospheric environments'
18	16:30	16:45	Y. Tian, D. Tomus, P. Rometsch, X. Wu: Monash Uni. 'On influence of processing parameters on surface roughness Of Hastelloy X produced by selective laser melting (SLM)'		W.H. Kan, C. Albino, D. Dias-da-Costa, K. Dolman, T. Lucey, X. Tang, J. Cairney, G. Proust: Uni. of Sydney, Weir Minerals Australia, Uni. of Coimbra (Portugal) 'Fracture toughness testing using digital image correlation and photogrammetry'	G. Kaur, A. Kulkarni, S. Giddey, S.P.S. Badwal: CSIRO Energy 'Developments in electrochemical reduction of CO2 to value added chemicals'	A. Bagheri, A. Nazari, J.G. Sanjayan, P. Rajeev, W. Duan: Swinburne Uni. of Technology, Monash Uni. 'Experimental and atomistic study of boroaluminosilicate geopolymers'
19	16:45	17:00		L. Brassart, K. Ismail, A.-P. Pierman, T. Pardoen, P.J. Jacques, Q. Lai, Y. Bréchet, A. Perlade: Monash Uni., Uni. Catholique de Louvain (Belgium), Uni. de Grenoble Alpes (France), ArcelorMittal (France) 'Influence of microstructure and composition on the plastic and damage response of dual-phase steels'	A. Al-Zuheri: Ministry of Science and Technology (Iraq) 'Exploring the chemical structure of the Iraqi oil shale and its hydrocarbon forms'	R.A. Caruso, W. Wu, D. Chen, F. Huang, Y-B Cheng: The Uni. of Melbourne, Wuhan Uni. of Technology (China), Monash Uni. 'Perovskite solar cells: Manipulating the morphology of individual layers to enhance efficiency'	R. Shabbar, Z. Wu, P. Nedwell: Uni. of Manchester (UK), Uni. of Kufa (Iraq) 'Mix proportioning of lightweight aerated concrete using response surface methodology'
20	17:00	17:15		N. Haghdadi, P. Cizek, P.D. Hodgson, G.S. Rohrer, V. Tari and H. Beladi: Deakin Uni., Carnegie Mellon Uni. (USA) 'Effect of transformation path on the austenite-ferrite interface characteristics in the duplex stainless steel'		H-K. Ju, S. Giddey, S. Badwal: CSIRO 'Electrochemical conversion of carbon and hydrocarbon in low temperature electrolysis cells for cost-effective hydrogen generation'	S-W. Tsao, T-W. Cheng, K-L. Lin, Y-C. Ding, W-H. Lin, C-P. Huang: National Taipei Uni. of Technology, National Ilan Uni. (Taiwan), Inst. Nuclear Energy Research (Taiwan) 'A study on solidification of simulated radionuclide ion exchange resins using geopolymer technology'
21	17:15	17:30		A. Kostryzhev, E.V. Pereloma, A.A. Saleh, H.Th. Spanke, C.R. Killmore, A.A. Gazder: Uni. of Wollongong, Bluescope Steel 'Application of advanced characterisation techniques to assist microstructure analysis of industrial steel grades'		J.S. Dargad: Dayanand Science College (India) 'Cd1-xMnxSe thin films preparation by CBD: Aspect on optical and electrical properties'	T-C. Li, T-W. Cheng, K-L. Lin, Y-C. Ding, H-S. Wei: National Ilan Uni. (Taiwan), National Taipei Uni. of Technology (Taiwan) 'A new process for fabrication geopolymer'
22	17:30	17:45		H. Bai, Y. Zhou, Q. Chao, H. Beladi: Deakin Uni., WISCO (China) 'Study on recrystallization behavior of hot-dip galvanized coating'			P. Godonou: Uppsala Uni. (Sweden) 'Steel cell reinforcement: an alternative and sustainable material for buildings and civil works'

18:00 20:00

Evening Reception in Hawthorn Town Hall (Ticket required for admission)

CAMS 2016 November 19			Day 3			Thursday December 8th					
	7:30	8:45	Registration Open in ATC Foyer								
	8:45	9:00	Updates and notices in ATC Auditorium								
	9:00	10:00	Plenary (ATC Auditorium) Professor B.S. Murty: Challenges in high entropy alloy research, Indian Institute of Technology-Madras								
	10:00	10:30	Morning Tea (30 mins): Networking in ATC Foyer								
			EN101		EN102		EN103		EN202		
			J1: Metal Casting & Thermalmechanical Processing Symp. Chair: M. Dargusch & M. Easton Session Chair: Mark Easton		G4: Advances in Steel Technology Symp. Chairs: E. Pereloma & H. Beladi Session Chair: Tadashi Furuhashi		M1: Nuclear Waste & Fuel Symp. Chairs: D. Gregg & E.R. Vance Session Chair: Lou Vance / Dan Gregg		B1: Biomaterials & Ceramics Symp. Chair: A. Ruys Session Chair: Chris Berndt		
1	10:30	10:45	X. Wu, K. Yang, N. Perevoshchikova, T. Jarvis, P Rometsch, D. Tomus, Monash University 'Selective Laser Melting (SLM) of aerospace materials, its quality control and certification '		K. Tsuzaki: Kyushu University (Japan) 'High strength austenitic steels with martensitic transformation and deformation twinning: Hydrogen effects on tensile and fatigue properties'		C.L. Corkhill, S.T. Barlow, A.J. Fisher, C. Mann, C.L. Thorpe, C. Murray, C. Tang, N.C. Hyatt: University of Sheffield (UK), Diamond Light Source (UK) 'The materials science of wasteforms for a UK geological disposal facility'		M. Lord, J. Rnjak-Kovacina, X. Lin, K. Chandrasekar, J. Whitelock: UNSW 'Extracellular matrix-based biomaterials for cardiovascular devices'		
2	10:45	11:00									
3	11:00	11:15	A. Zafari, K. Xia: University of Melbourne 'Uniform distribution of fine β grains in a beta titanium alloy achieved by multiple forging-annealing cycles'		M. Ferry, W. Xu: The University of New South Wales 'Twin roll casting of sheet steel products: Alloy design, processing strategies and product quality'		E.R. Vance, D. Gregg, C. Grant, K. Oluson: ANSTO, University of Cambridge (UK) 'Immobilisation of radioactive Cs in ceramics'		R. Mehmood, P. Koshy, C.C. Sorrell, M. Lord: UNSW 'Predicting the unpredictable: Nanoceria as nanomedicine for cancer prevention'		
4	11:15	11:30	J. Cornu, T. Dorin, N. Stanford, P. Hodgson: Deakin University Monash University 'Phase transformations in nano-bainitic steels produced by direct-strip-casting'						A. La Fontaine, A. Zavgorodny, H. Liu, R. Zheng, M. Swain, J. Cairney: The University of Sydney 'Atomic scale compositional mapping reveals Mg-rich amorphous calcium phosphate in human dental enamel'		
5	11:30	11:45	A. Prasad, L. Yuan, P. Lee, M. Easton, D. StJohn: University of Queensland, General Electric, University of Manchester (UK), RMIT 'Inoculant undercooling induced nucleation and growth during equiaxed solidification: Numerical studies'		S. Primig, S. Sackl, H. Leitner, M. Zuber, H. Clemens: UNSW (Australia), Boehler Edelstahl GmbH & Co KG, Stahl Judenburg GmbH, Montanuniversitaet Leoben (Austria) 'Continuous versus conventional heat treatment of hardenable steels'		E.R. Vance, E. Maddrell, D. Gregg, C. Grant, A. Stopic: National Nuclear Laboratory (UK), ANSTO 'Immobilisation of 129I'		X-B. Chen: Monash University 'Osteoanabolic implant materials for orthopedic treatment '		
6	11:45	12:00	Y. Bai, X. Zhang, K. Xia: The University of Melbourne, CSIRO 'Hardwood composites produced by equal channel angular pressing'		S. Araki, D. Akama, T. Tsuchiyama, S. Takaki: Kyushu University (Japan) 'Difference in age hardening behavior between carbon and nitrogen in ferritic steel'		C. Cheung, S. Deen, N. Scales, D. Gregg, E.R. Vance, C. Grant, G. Triani: ANSTO 'A study of radionuclide volatilisation during calcining and consolidation of nuclear waste forms'		C. Joseph, C. McCarthy, A. Francis, A. Tyo, H. Fisher, J. Altscheffel, B. Spalding, R. Rajachar: Michigan Technological University (USA) 'Development of a novel nitric oxide releasing fibrin microgel composite hydrogel for tendon repair'		
7	12:00	12:15	M. Zhang, Y. Ali, Q. Huang: The University of Queensland 'Revisiting the effect of solidification cooling rate on microstructure of cast magnesium alloys'		T. Dorin, K. Wood, N. Stanford, P. Hodgson: Deakin University, ANSTO, Monash University 'Investigating precipitate composition, size and volume fraction evolution in strip cast steels with high sulphur and copper contents'		D. Gregg, E.R. Vance, K. Olufson, J. Veliscek-Carolan, I. Watson, N. Webb, T. McLeod, M. Jovanovic, I. Kurlapski, C. Grant, T. Palmer, K. Lu and G. Triani: ANSTO 'Waste forms for the immobilization of waste streams from Mo-99 production'		N. Gui, M. Qian, R. Shukla, W. Xu, J. Tian: Macquarie University, RMIT University 'The role of microgrooved titanium surface topography on human fetal osteoblasts'		
8	12:15	12:30			J. Gao, R. Zhong: WISCO (China) 'Simulation of temperature field during laser-welding of phosphoric steels'		E. Obbard, P. Burr, D. Gregg, K-D. Liss, K. Johnson, S. Middleburgh: Westinghouse (USA), UNSW, ANSTO, KTH 'In-situ diffraction of uranium nitride/silicide composite as accident tolerant nuclear fuel'		L. Yin, B. Cliffe, H.D. Marsh: James Cook University 'Mapping of microstructure and mechanical properties of a dugong (Dugong Dugon) tusk'		
	12:30	13:45	LUNCH BREAK (1 h 15 mins) Networking Opportunity								

CAMS 2016 November 19			Day 3		Thursday December 8th		
			EN101	EN102	EN103	EN202	
				G5: Advances in Steel Technology Symp. Chairs: E. Pereloma & H. Beladi Session Chair: Simon Ringer	F4: Advancements in Materials Characterization Symp. Chairs: J. Cairney & V. Bhatia Session Chairs: Julie Cairney / Vijay Bhatia	B2: Biomaterials & Ceramics Symp. Chair: A. Ruys Session Chair: Chris Berndt	
9	13:45	14:00		F. Barbaro: University of Wollongong 'Developments in control of weld HAZ properties in modern high strength steels'	R. Acres, D. Cookson, K. Hayes: Australian Synchrotron 'The Australian synchrotron and advanced materials: Challenge/Opportunity/Solutions'	E. Onal, B. Chen, X. Wu, A. Molotnikov: Monash University 'Additive manufacturing of lattice structures for orthopaedic implants '	
10	14:00	14:15				C.C. Sorrell, W-F. Chen, P. Koshy: UNSW 'Photocatalytic activation of biomaterials'	
11	14:15	14:30		Y. Adachi: Kagoshima University (Japan) 'Artificial intelligence materials science (AI- MS)'	T. Song, M. Yan, N. Webster, M. Styles, J. Kimpton, M. Qian: Australian Synchrotron, RMIT Uni., South University of Science and Technology of China, CSIRO 'Does crystal structure transition matter in the creation of nanoporous structure via dealloying approach?'	G.V. Franks: University of Melbourne 'Forming dense complex shaped ZrB2 ceramics by freeze casting'	
12	14:30	14:45			A. Xu, D. Bhattacharyya: ANSTO 'Strain rate sensitivity tests at the micron scale – a novel in situ approach '	M.L. Sesso, G.V. Franks: The University of Melbourne 'Fracture toughness of wet particulate materials: influence of saturation'	
13	14:45	15:00		N. Haghdadi, P. Cizek, P.D. Hodgson, H. Beladi: Deakin University 'Microstructure evolution of duplex stainless steel during hot uniaxial compression at different strain rates'	T. Finlayson, C. Davidson, J. Griffiths, M. Fitzpatrick, E. Oliver, Q. Wang: CSIRO, Uni. of Melbourne, Coventry Uni. (UK), Rutherford Appleton Lab. (UK), General Motors (USA) 'Stresses developed in the Si particles of an Al-Si composite under cyclic loading: their measurement and interpretation'	N. Scales, J. Chen, G.R. Lumpkin, I. Karatchevtseva, A. Stopic, V. Luca: ANSTO, CNEA (Argentina), University of Wollongong 'Carbon-zirconium carbide sphere materials as irradiation hosts for radionuclide production'	
14	15:00	15:15		C. Ledermüller, S. Primig: The University of New South Wales 'Microstructural engineering of modern high strength low alloy steels '		W-F. Chen, P. Koshy, C.C. Sorrell: UNSW 'Photocatalytic activity of vanadium-doped TiO2 thin films under long-term and repeated cyclic testing in different dye solutions'	
	15:15	15:45	Afternoon Tea (30 mins)				

CAMS 2016 November 19			Day 3		Thursday December 8th		
				EN102		EN202	
				G6: Advances in Steel Technology Symp. Chairs: E. Pereloma & H. Beladi Session Chair: Mingxing Zhang			
15	15:45	16:00		R. Dippenaar, S-C. Moon: University of Wollongong 'High Speed Continuous Casting'			
16	16:00	16:15					
17	16:15	16:30		D. Akama, T. Tsuchiyama, S. Takaki: Kyushu University (Japan) 'The effect of dislocation characteristics on yielding behavior in ultra-low carbon Fe-Ni martensite'			
18	16:30	16:45		I. Bikmukhametov, J. Wang, H. Beladi, P. Hodgson; I. Timokhina: Deakin University 'Effect of strain on the precipitation kinetics in the Ti-Mo-steel advanced high strength steels'			
19	16:45	17:00		J. Wang, I. Timokhina, I. Bikmukhametov, P.D Hodgson: Deakin University 'Precipitation on grain boundaries of Ti-Mo alloyed advanced high strength steels'			
20	17:00	17:15	ATC Auditorium ... Close of CAMS2016: Thank you, Safe travels, and Farewell!				