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8:30	9:15	Keynote Address Photonic Nanostructures and Devices Basusumu Noda, Kyoto University, Japan	sed on Photo	onic Crystals,	73
9:15	9:45	Invited Paper Photonic Crystal Devices, John O'Brien, University of Southern California, USA			74
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9:50	10:05	Fabrication of Planar Photonic Crystals in Chalcogenide Glass Films by Focused Ion Beam Milling, Darren Freeman, Yinlan Ruan, Nathan Madsen, Steve Madden, Ruth Jarvis, Andrei Rode, Marek Samoc, Barry Luther- Davies, Australian National University, Australia	75	Controlled fabrication of self-assembled silicon nanowhiskers by ion implantation and electron beam thermal annealing, A. Markwitz <sup>1,2</sup> , S. Johnson <sup>1</sup> , M. Rudolphi <sup>3</sup> , H. Baumann <sup>3</sup> , P. –Y. Kuo <sup>4</sup> , and R. Blaikie <sup>2,4</sup> , <sup>1</sup> Institute of Geological and Nuclear Sciences, New Zealand, <sup>2</sup> Victoria University of Wellington, New Zealand, <sup>3</sup> J. W. Goethe University, Germany, <sup>4</sup> University of Canterbury, New Zealand	79
10:05	10:20	Optical Performance of Diffraction Microstructures: Design and Application, Shlomo Hava and Mark Auslender, Lorenzo Faraone*, Ben-Gurion University of the Negev, Israel, *University of Western Australia, Australia	76	Optimal luminecence efficiency from Si nanocrystals – control and passivation of defects, A.R. Wilkinson and R.G. Elliman, The Australian National University, Australia	80
10:20	10:35	Layer-by-Layer 3D Photonic Crystal Waveguides and Components: Theory and Experiments, A.R. Weily <sup>1</sup> , K.P. Esselle <sup>1</sup> , B.C. Sanders <sup>2,3</sup> , and T.S. Bird <sup>1,4</sup> , <sup>1,2</sup> Macquarie University, Australia, <sup>3</sup> University of Calgary, Canada, <sup>4</sup> CSIRO ICT Centre, Australia	77	Fabrication of InP-based nanowires by selective area MOVPE, Premila Mohan, Junichi Motohisa and Takashi Fukui, Hokkaido University, Japan	81
10:35	10:50	Porous silicon based narrow linewidth rugate filters, S. Ilyas, M. Gal, P. Reece, G. Paolo, T. Boecking, The University of New South Wales, Australia	78	Simple fabrication method for ZnO nanoneedle structures, Y.H. Leung, A. B. Djurišić, and M. H. Xie, The University of Hong Kong, Hong Kong	82

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		Related Technologies  Steele Building, Lecture Theatre 206  Chair: Halina Rubinsztein-Dunlop,  University of Queensland, Australia		Steele Building, Lecture Theatre 309  Chair: Jeffrey C. McCallum, University of Melbourne, Australia	
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12:40	12:55	Investigation of surface passivation and crosstalk on HgCdTe MWIR photodiode arrays via focused and flood illumination techniques, T.D. James, L. Karp, C.A. Musca, J. Antoszewski, J.M. Dell, and L. Faraone, The University of Western Australia, Australia	86	Active Free Space Optic Systems for Ubiquitous User Network, Takeshi Tsujimura, and Koichi Yoshida, NTT Access Network Service Systems Laboratories, Japan	90
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