

## **School of Physics HERDC Publications 2010**

### **Book**

**Michie, A M, Bassett, I M, Canning, J, Haywood, J H** 2010, *Optical fibre sensing and interferometry: Including optical fibre voltage sensing using thermally poled silica fibres*, LAP - LAMBERT Academic Publishing, Saarbrucken, Germany

### **Book Chapters**

**Domachuk, P, Steinvurzel, P E, Kuhlmeiy, B T, Eggleton, B J** 2010, *Optofluidic Photonic Crystal Fibers: Properties and Applications*, Optofluidics Fundamentals, Devices, and Applications, McGraw Hill, USA, 133-176

Duchesne, D, Ferrera, M, Razzari, L, Morandotti, R, Little, B, Chu, S, **Moss, D J** 2010, *Nonlinear Optics in Doped Silica Glass Integrated Waveguide Structures*, Frontiers in Guided Wave Optics and Optoelectronics, InTech Open Access Publishers (peer reviewed), Croatia, 269-294

**Melrose, D B, McOrist, J** 2010, *Pair Modes in Relativistic Quantum Plasmas*, In Celebration of K C Hines, World Scientific Publishing, 5 Toh Tuck Link, Singapore 596224, 149-164

**Stampfl, C, Carter, D J** 2010, *Gallium Nitride Nanowires*, Handbook of Nanophysics: Nanotubes and Nanowires, CRC Press, Florida, USA, 18-1-18-17

**Wheatland, M S** 2010, *Bayesian Data Analysis*, Complex Physical, Biophysical and Econophysical Systems: Proceedings of the 22nd Canberra International Physics Summer School, World Scientific Publishing, Singapore, 121-142

## Refereed Journal Articles

Aad, G, Abat, E, Abbott, B, Abdallah, J, Abdelalim, A, Abdesselam, A, Abdinov, O, Abi, B, Abolins, M, **Lee, J, Peak, L, Patel, N, Saavedra, A, Varvell, K, Waugh, A** et al 2010, *Performance of the ATLAS detector using first collision data*, The Journal of High Energy Physics, 9(56), 1-66

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Aad, G, Abbott, B, Abdallah, J, Abdelalim, A, Abdesselam, A, Abdinov, O, Abi, B, Abolins, M, Abramowicz, H, **Lee, J, Patel, N, Peak, L, Saavedra, A, Varvell, K** et al 2010, *Search for New Particles in Two-Jet Final States in 7 TeV Proton-Proton Collisions with the ATLAS Detector at the LHC*, Physical Review Letters, 105(16), 161801-1-161801-19

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**Ahmad, M**, Qamar, A, Ahmed, Z 2010, *Vortical structures in a nonuniform pair-ion dust magnetoplasma with sheared flows*, Physics of Plasmas, 17(1), 014502-1-014502-3

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