Emerging Technologies in Computing and Engineering
Computing and Engineering Annual Researchers’ Conference (CEARC ’09)
Friday 11th December 2009
Castle Hill Suite, University of Huddersfield

08.30 – 09.15 Registration Tea/Coffee and Poster Viewing
09.15 – 09.20 Welcome and Opening Address
09.20 – 09.40 ‘Modelling for a Turbocharger in Rotordynamics’
H Zhang, Automotive Research Group
09.40 – 10.00 ‘Detection of Diesel Engine Valve Clearance by Acoustic Emission’
F Elamin, Diagnostics Research Group
10.00 – 10.20 ‘Ultimate Axial Load Capacity of V-Band Clamp Joints’
M Muller, Engineering, Control and Machine Performance Research Group
10.20 – 10.40 ‘Effect of Cross Wind on Aerodynamic Coefficients of Ground Vehicles’
V Malviya, Automotive Research Group
10.40 – 11.15 Tea/Coffee and POSTER VIEWING
11.15 – 11.35 ‘Efficient Offline Thermal Error Modelling Strategy for Accurate Thermal Behaviour Assessment of the Machine’
N Mian, Engineering, Control and Machine Performance Research Group
11.35 – 11.55 ‘Interferograms Analysis for Wavelength Scanning Interferometer using Convolution And Fourier-Transform’
H Muhamedsalih, Centre for Precision Technologies Research Group
11.55 – 12.15 ‘Predicting Specific Gravity and Viscosity of Biodiesel Fuels’
B Tesfa, Automotive Research Group
12.15 – 12.35 ‘Automating the Composition of Popular Music: The Search for a Hit’
T Millea, Music Technology Research Group
12.35 – 14.00 Lunch and POSTER VIEWING
14.00 – 14.20 ‘An Auralisation Method for Real Time Subjective Testing of Modal Parameters’
M Wankling, Music Technology Research Group
14.20 – 14.40 ‘Characterisation of the Directionality of Reflections in Small Room Acoustics’
J Romero Perez, Music Technology Research Group
14.40 – 15.00 ‘A Study of Synthesizing Artificial Intelligence (AI) Planning Domain Models by using Object Constraints’
S Shah, Knowledge Engineering and Intelligent Interfaces Research Group
15.00 – 15.20 ‘Fast Human Detection for Video Event Recognition’
15.20 – 15.40 Tea/Coffee and POSTER VIEWING
15.50 – 16.10 ‘Level Of Detail Control in Hybrid Rendering Application’
Q Xu, Computer Graphics, Imaging and Vision (CGIV) Research Group
16.10 – 16.30 ‘A Multi-View Interest Point Based Approach to Photometric Realism within Augmented Reality Systems’
M Bingham, Computer Graphics, Imaging and Vision (CGIV) Research Group
16.30 – 16.50 ‘Designing Interfaces to Visualise Domestic Communication Patterns’
A Li, Knowledge Engineering and Intelligent Interfaces Research Group
16.50 - End Prize Giving and Close