



Press Release from Bournemouth University

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Student's paper accepted for prestigious conference

A Bournemouth University (BU) undergraduate student, who has just completed his BSc (Hons) Design Engineering course, will travel to the USA later this year to present his research findings.

23 year old Matthew Davis from Winchester has had an academic paper accepted for the American Society of Mechanical Engineers annual conference. The ASME 2009 International Design Engineering Technical Conference takes place in San Diego, USA, in September 2009.

Matthew worked with BU's Smart Technology Research Centre, under the guidance of Dr Venky Dubey, on a paper entitled: '*Piezoelectric generators as battery chargers in mobile devices*'.

The paper investigates applicability of various available technologies that can be harnessed for smart applications. It presents a design idea for an electric charging device designed to sit underneath the keypad of various mobile devices using piezoelectric (material that generates electricity when pressure is applied to it) and similar effect materials, and discusses the benefits of such a device and the current problems associated with developing one.

Matthew said: "I'm thrilled that my paper was accepted as I really enjoyed doing the research. I can't wait to represent BU and my course at the conference. It is going to be an amazing experience.

"I have recently been offered a contract on QinetiQ's graduate scheme (the international technology company for the defence and security industries) so hopefully I'll be doing research and development in some really high tech fields in the future!"

Dr Venky Dubey said: "The paper produced by Matthew was developed after he spent a term with me in the '*Advanced Technology and Innovation*' unit. This was part of a new

initiative to get BU undergraduate students motivated in research and develop novel design and innovative ideas. We wish him well.”

Notes to Editors:

1. BU is the UK's Number One New University (first place among all institutions that became universities since 1992) according to The Guardian University Guide 2009 & 2010 (www.guardian.co.uk/education).
2. In the 2008 [Research Assessment Exercise](#) (RAE) BU is the fourth most improved university in the UK for the quality of its research (according to *Times Higher Education*).

ENDS

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