

**In cooperation with Chitkara University, Cranes Software, and IEEE & IETE
Student Chapters of Chitkara University**

TI India University Program announces

A Hands-on Course on Digital Signal Processing using OMAP-L138 Board

**Taught by: Prof. Donald Reay, Heriot-Watt University in Edinburgh, Scotland
Venue – Chitkara University, Rajpura, Punjab (Near Chandigarh)**

Dates: June 20-21, 2013

Time: 9.30am – 5.30pm

The two-day workshop will use OMAP-L138 LCDK to reinforce the teaching of DSP theory by means of hands-on laboratory experiments. Participants will be guided through a number of example exercises taken from the book “Digital Signal Processing and Applications using the OMAP-L138 eXperimenter”. Some background knowledge of linear systems theory, microprocessor programming (in C), DSP theory, and Fourier transforms would be useful but not absolutely essential. The workshop will aim to cater to participants with a range of backgrounds. The workshop will be split into the following lab sessions:

- 1) Introduction to the OMAP-L138 eXperimenter/LCDK and Code Composer Studio
- 2) Analogue input and output using the OMAP-L138
- 3) Introduction to FIR filtering
- 4) Introduction to IIR filtering
- 5) The fast Fourier transform
- 6) Adaptive filtering
- 7) Introduction to SYS/BIOS

Each lab session will comprise a short introductory presentation and demonstration and then participants will follow instructions from a lab sheet under guidance from the instructor.



Prof. Donald Reay at the release of the book “Digital Signal Processing and Applications with the OMAP L-138 eXperimenter”

About the Instructor: Donald Reay is a Lecturer at Heriot-Watt University in Edinburgh, Scotland. He has also taught hands-on DSP, on a number of occasions, as a visiting lecturer at Zhejiang University in Hangzhou, China. He coauthored, with Rulph Chassaing, the Second Edition of Digital Signal Processing and Applications with the TMS320C6713 and TMS320C6416 DSK, also published by Wiley. He is the author of the book “Digital Signal Processing and Applications with the OMAP L-138 eXperimenter” published by Wiley.

Registration:

The course is intended mainly for college teachers who are teaching DSP and professionals who are working in the DSP area. A nominal course fee will be charged to the participants. Please fill out the registration form below and mail it to Prof. Rajesh Hooda (rajesh.hooda@chitkara.edu.in) with a copy to Vaibhav Ostwal (ostwalvaibhav@ti.com) before May 27 along with the scanned copy of the DD/Cheque. Your DD/Cheque must be mailed to Prof. Rajesh Hooda at the address provided before May 25 in order to confirm your registration. Detailed instructions will be sent to the confirmed participants before June 1. Participation certificates, lunch and refreshments will be provided to all participants.

Registration Fee:

	Before May 31, 2013	After May 31, 2013
College Teachers	INR 2000	INR 2500
Others	INR 3000	INR 3500

(Additional discount on an already discounted price are applicable for teachers, made possible through sponsorship from Chitkara University, Punjab Campus. Please contact Prof. Rajesh Hooda, Deputy Dean, School of Electronics and Electrical Engineering, for details.

Registration Form:

Your name in capital letters: _____

Your role: (Teacher/Industry Professional/Other) : _____

Your organization: _____

Your contact E-mail id: _____

IEEE Membership number: _____ Valid up to: _____

Your mobile phone: _____

Your background in DSP: _____

Whether you have used OMAP L-138 before:

Details of the DD/Cheque: _____

(Cheque must be made out to "Chitkara University" payable at Chandigarh. Include a scanned image when sending the form by e-mail. Mail the DD to Prof. Rajesh Hooda at the following address no later than May 31, 2013. A processing fee of 25% will be applicable for cancellations.)

Prof. Rajesh Hooda,
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Statement: "If my participation is confirmed, I will attend the hands-on training on both days. I will make my own transport and accommodation arrangements."

Signature: _____

Date: _____