



Stimson's Introduction to Radar

22 – 26 June 2015

Objectives

George W. Stimson was recognised as a pioneer in radar education. He has written the quintessential radar textbook, "Introduction to Airborne Radar", which is used more than any other text by radar engineers throughout the world. In 2013, Stimson's classic text underwent a full revision and update by the internationally renowned radar and EW experts Prof. Hugh Griffiths, Prof. Chris Baker and David Adamy. The objective of this course is to provide a week of lectures based on the recently revised Stimson book. The course will provide masterful tuition in all of the important fundamentals of radar. Students will learn about different types of radar, their fundamental principles of operation, and details of their applications. On completion of this course, students will have a thorough understanding of the theory and principles of modern radar systems.

Course Content

- Fundamentals of radar
- Radar and EW
- Pulsed-Doppler radar
- Air-to-Air operation
- Radar clutter
- Radar imaging SAR and ISAR
- Special topics in radar

Course Lecturers

Professor Hugh D. Griffiths (University College London, GBR) is the Thales/Royal Academy of Engineering Chair of RF Sensors at University College London.

Professor Chris J. Baker (Ohio State University, USA) is the Ohio State Research Scholar in Integrated Sensor Systems at The Ohio State University.

Course Information

Who should attend?

This course will be of benefit to all radar and EW engineers. For early-career engineers this course will provide a detailed treatment of the essential theory of radar and EW. It will also provide details on specialist radar topics such as clutter and imaging. For experienced engineers this course is an ideal refresher, it provides updated material relevant to modern systems and a full recap of the essential theory of radar.

Format

The course consists of one-week intensive lectures.

Cost

The fee for the course will be R13000. **This fee includes a copy of the book Stimson's Introduction to Airborne Radar 3rd Edition** edited by Hugh Griffiths, Chris Baker and Dave Adamy.

Payment details are on the application form.



Continuing Professional Development Programme

Faculty of Engineering & the Built Environment

Certificates and CPD Points

A certificate of attendance will be awarded to CPD participants for each course. Participants need to attend 80% of the lectures to qualify for an attendance certificate.

According to guidelines set out by the Engineering Council of South Africa, attendance of this course will earn participants 5 credits towards Category 1 (Developmental Activities). The ECSA course code is UCTECC15.

Venue

CSIR Campus
Brummeria
Pretoria 0184
South Africa

Date and Time

09h00 – 17.00
Monday 22 – Friday 26 June 2015

Applications and cancellations

In order to ensure a place on the course applicants should complete and return a registration form to the course administrators. The registration form is available at: <http://www.cpd.uct.ac.za/cpd/applications>

Confirmation will be sent on receipt of an application form

[Applications close on 12 June 2015](#)

Cancellations must be received one week before the start of the course, or the full fee will be charged.

For further enquiries, please contact:

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