

**Computer Science and Technology (continued)****M.PHIL IN. ADVANCED COMPUTER SCIENCE**

Contact: Ms L. M. Gough (email: lmg30@cl.cam.ac.uk)

Most lectures take place in *SW01* and *SS03* and practical classes in *SW02* and the *Intel Teaching Laboratory, William Gates Building*.

**MICHAELMAS 2010****LENT 2011****EASTER 2011**

Course Director: DR S. M. HAND

DR T. FORSTER

Introductory Logic M. 4 (weeks 5, 6) Th. 4 (weeks 5–8)

DR S. M. HAND

Advanced Topics in Computer Science Tu. 10–12

DR T. G. GRIFFIN

An Algebraic Approach to Internet Routing M. W. 11

DR M. G. KUHN

Forensic Signal Analysis F. 2–4

DR I. J. WASSELL

Low Power Embedded Systems F. 9–11

DR M. FIORE

Category Theory for Computer Science W. F. 12

Denotational Semantics Th. 10 (weeks 1–6) *LT2*

PROF. N. A. DODGSON

Research Skills M. W. 9 (weeks 1–3) 9–11 (weeks 4–8)

DR P. M. SEWELL

Multiprocessor programming M. 2–4

DR R. D. MULLINS

Chip Multiprocessors Reading Club Th. 10–12

PROF. G. WINSKEL

Set Theory for Computer Science M. 4–6 (weeks 1–4)

DR A. W. MOORE

Building an Internet Router Tu. Th. 2–4

PROF. P. ROBINSON

Innovative User Interfaces Reading Group Tu. 4–6

PROF. J. A. CROWCROFT

Network Architecture Tu. Th. 12

DR A. A. COPESTAKE AND OTHERS

Introduction to Natural Language Processing Tu. Th. 2

DR M. J. F. GALES AND OTHERS

Spoken Language Processing Tu. F. 12

DR A. C. RICE

Programming for Mobiles W. 3.30–4.30

Programming for Mobiles Practical W. 4.30–5.30

VARIOUS

Research students' lectures F. 4

Wednesday Seminar series W. 2

DR S. M. HAND

Project Briefing M. 10 (One lecture)

DR T. FORSTER

Introductory Logic (continued) W. 4 (weeks 3, 4)

PROF. A. DAWAR

Topics in Logic and Complexity Tu. Th. 4

DR M. FIORE

Advanced Category Theory M. 10, Th. 11 (weeks 5–8)

DR S. W. MOORE

Advanced Computer Design M. 2–5

PROF. M. J. C. GORDON

Programming Logics and Software Verification

Tu. Th. 5

DR S. STATON

Categorical Logic F. W. 12

DR D. J. GREAVES

System on Chip Design Tu. F. 2–4

DR R. GIBBENS

Flows in Networks Tu. Th. 10

DR C. MASCOLO

Social and Technological Network Analysis Th. 11, M. 10

DR S. CLARK AND DR A. DE GISPERT

Statistical Machine Translation Tu. Th. 12

DR A. A. COPESTAKE

Deep Language Processing Seminar F. 2–4

DR E. YONEKI

Data Centric Networking Th. 2–4

DR S. TEUFEL

Lexical Semantics and Discourse Processing W. F. 10

PROF. E. J. BRISCOE AND DR M. J. F. GALES

Machine Learning for Language Processing M. W. 9

PROF. E. J. BRISCOE AND DR S. CLARK

Syntax and Semantics of Natural Language Processing Tu. F. 11

PROF. P. C. WOODLAND, DR P. TAYLOR AND MR B.

R. M. THOMSON

Advanced Speech Technology M. W. 11

VARIOUS

Research students' lectures F. 4

Wednesday Seminar series W. 2

PROF. G. WINSKEL

Advanced Topics in Concurrency Th. 2–4 (weeks 1–4)

PROF. A. MYCROFT AND DR V. P. KHEDKER

Advanced Data Flow Analysis Tu. Th. 11–1 (weeks 1–3)

PROF. M. J. C. GORDON AND DR T. WEBER

Interactive Formal Verification M. W. F. 10 (weeks 1–4)

Interactive Formal Verification Practical F. 2

DR A. F. BLACKWELL

Usability of Programming Languages M. W. F. 11 (weeks 1, 2)

Usability of Programming Languages

Seminars M. W. 11–1 (weeks 2, 5)

Usability of Programming Languages

Practical M. 2–4 (Weeks 2–5)

VARIOUS

Research students' lectures F. 4

Wednesday Seminar series W. 2

Further details and timetable amendments will be published on the course web pages <http://www.cl.cam.ac.uk/teaching/>.