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Das Wissenschaftlerinnenkolleg Internettechnologien der Fakultät für Informatik der TU Wien lädt gemeinsam mit der Österreichischen Computer Gesellschaft zu den beiden folgenden Vorträgen ein:

## WIT-Kolloquium

### How to Get a PhD in Informatics? The Need for Hypotheses in Informatics

#### Alan Bundy

University of Edinburgh, UK

Wann: Dienstag, 28. Juni 2005  
9:30 - 12:00 +

Wo: Technische Universität Wien  
Informatikhörsaal  
1040 Wien, Treitlstraße 3, Erdgeschoss



#### Abstract

**"How to Get a PhD in Informatics?"** This practical guide to the pitfalls and obstacles to getting a PhD in Informatics is based on the "Researchers Bible": a living document originating in the Department of Artificial Intelligence at Edinburgh and based on the accumulated and hard won experience of a wide range of researchers. Learn about "postgraduate diseases", their diagnosis and cure.

**"The Need for Hypotheses in Informatics"** All branches of science and engineering advance by the conjecturing of hypotheses and the accumulation of evidence to support (or refute) them. This is also true of Informatics, but explicit hypotheses are rarely stated in Informatics papers and evaluations of Informatics systems and techniques are rarely linked to such hypotheses. Our hypothesis is that this neglect of explicit hypotheses is the root cause of much of the poor methodology and rejected papers and grant proposals in Informatics. We will give examples of the kinds of hypotheses that arise in Informatics and the kind of evidence that is required to evaluate them.

#### Bio

Prof. Alan Bundy was educated as a Mathematician, obtaining a 1st class honours degree in Mathematics in 1968 from Leicester University and a PhD in Mathematical Logic in 1971, also from Leicester, under the supervision of Prof. R.L. Goodstein. Since 1971 he has been at the University of Edinburgh: initially in the Metamathematics Unit, which in 1972 became the Department of Computational Logic, in 1974 was absorbed into the new Department of Artificial Intelligence and in 1998 was absorbed into the new Division of Informatics.

Prof. Bundy's research has entailed the building of a number of problem solving programs for different branches of mathematics, namely number theory, algebra, mechanics, ecological modelling and logic/functional programming. He is the author of a book on the automation of mathematical reasoning, the editor of three books on artificial intelligence and joint author of one book on ecological modelling and one on the social impact of knowledge-based systems. He is the sole or joint author of over 140 published papers and books.

#### Kontaktperson an der TU Wien

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#### Unterstützung

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#### Anmeldung

Wir bitten um Anmeldung unter <http://wit.tuwien.ac.at/events>

#### Hinweis

Vortrag in englischer Sprache; Teilnahme kostenlos!

Im Anschluss an den Vortrag gibt es bei einem Buffet die Gelegenheit zum informellen Meinungsaustausch.