



## *Search Based Testing*

Prof. Robert M. Hierons

Brunel University, UK

Aula 6 • 09 de junio de 2009 • 12: 00

*entrada libre hasta completar el aforo*

### resumen:

---

Software testing is widely recognised as an expensive and time consuming process and this has led to much interest in the automation of test generation. In recent years, search based techniques such as Genetic Algorithms have been applied to a range of test automation problems. This talk will review progress in Search Based testing and discuss possible lines of future work

### sobre Robert M. Hierons:

---

Rob Hierons is Professor of Computing at Brunel University, UK. His research largely concerns the automated generation of efficient, systematic test suites on the basis of models or specifications. He coordinated the network FORTEST (Formal Methods and Testing) and was a member of the EU Framework VI Marie-Curie network Training and Research on Testing (TAROT). He is a Chartered Fellow of the BCS and a Senior Member of the IEEE.

Hierons is Associate Editor of the Journal of Software Testing, Verification, and Reliability (STVR) and was a guest editor for several special issues of journals. He co-chaired the 2002 CONCUR Workshop on Formal Approaches to Testing of Software (FATES '02). He was the general chair of the second UK Testing Workshop (Softtest 2003) and in 2004 he co-chaired the 16th IFIP International Conference on the Testing of Communicating Systems (TestCom 2004). In 2007 he co-chaired the third workshop on Advances in Model Based Testing (AMOST 2007) and in 2008 he was the Program co-chair of the newly established IEEE International Conference on Software Testing, Verification and Validation (ICST 2008). In 2007 he gave keynote talks at the third ETAPS Workshop on Model Based Testing (MBT 2007) and the third TTCN-3 User Conference. In 2008 he gave keynotes at the 4th International Workshop on Advances in Model Based Testing (AMOST 2008) and the 8th International Conference on Quality Software (QSIC 2008). He is a member of the committees of the British Computer Society's special interest groups on Software Testing (SIGIST) and Formal Aspects of Computing Science (FACS). He is on the steering committee of the IEEE International Conference on Software Testing, Verification and Validation. Since 1996 he has had over 100 peer review papers including over 50 in journals.

Su lista de publicaciones se puede consultar en su página de dblp  
[http://www.informatik.uni-trier.de/~ley/db/indices/a-tree/h/Hierons:Robert\\_M=.html](http://www.informatik.uni-trier.de/~ley/db/indices/a-tree/h/Hierons:Robert_M=.html)