



University of St Andrews

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School of Computer Science

## **DISTINGUISHED LECTURE SERIES 2006/07**

### **Model-Driven, Component Engineering**

**By**

**Professor Colin Atkinson**

*Wednesday, 2<sup>nd</sup> May 2007*

*2<sup>nd</sup> Year Laboratory, Jack Cole Building*

# Biography

Colin Atkinson currently holds the chair of Software Engineering at the University of Mannheim in Germany. Before that he held a joint position as a professor at the University of Kaiserslautern and project leader at the affiliated Fraunhofer Institute for Experimental Software Engineering. From 1991 until 1997 he was an Assistant Professor of Software Engineering at the University of Houston – Clear Lake. His research interests are focused on the use of model-driven and component based approaches in the development of dependable computing systems. He received a Ph.D. and M.Sc. in computer science from Imperial College, London, in 1990 and 1985 respectively, and received his B.Sc. in Mathematical Physics from the University of Nottingham 1983.

# Program

Over the course of three lectures we will look at how component and service-based systems can be developed in a model-driven way. We will review the state-of-the art in component-based development, service-oriented architectures and model-driven development and will examine how these are integrated in the KobrA method. We will then look at how these paradigms might evolve in the future.

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| <b>10.0 – 11.00</b>  | <b>Components, Services and Models</b><br>2 <sup>nd</sup> Year Laboratory<br>Jack Cole Building           |
| <b>11.0 – 11.30</b>  | <i>Coffee</i><br>Coffee area<br>Jack Cole Building  |
| <b>11.30 – 12.30</b> | <b>Model-Driven, Component-Based Development</b><br>2 <sup>nd</sup> Year Laboratory<br>Jack Cole Building |
| <b>14.30 – 15.30</b> | <b>Orthographic Service Engineering</b><br>2 <sup>nd</sup> Year Laboratory<br>Jack Cole Building          |