

## How to apply:

**The deadline for receipt of applications is 16<sup>th</sup> May, 2008**

To apply you can either apply online or download the University's application form from:

<http://www.admin.ox.ac.uk/postgraduate/apply/forms/>. You will need to submit references, transcript and a statement of research interests (in the slot marked "research proposal")

All applications are subject to a £25 application fee.

When you have submitted your application, will you please email Julie Sheppard: [Julie@comlab.ox.ac.uk](mailto:Julie@comlab.ox.ac.uk) to inform her that you have done so and send a copy of your application to Julie.

If you have any questions about the applications procedure please email [Julie@comlab.ox.ac.uk](mailto:Julie@comlab.ox.ac.uk)

## Further Information

Predictable Software Systems (PSS) is part of the Large-Scale Complex IT Systems research programme, (LSCITS, pronounced *else-its*), a collaboration involving five institutions (<http://www.lscits.org/>). The main focus of the LSCITS programme is on novel approaches and techniques for *managing change*. The aims of the PSS theme are to develop the foundations and software technology for the verification of adaptive systems, such as those that vary their response depending on scenario or context.

The PSS project employs two postdoctoral Research Assistants and a doctoral student at OUCL, and has the following broad aims:

1. To develop foundations and algorithms for automated verification of adaptive systems, such as those whose behaviour depends on scenario or context.
2. To investigate the use of multi-objective approaches in quantitative evaluation of performance and dependability of embedded real-time software.
3. To investigate the feasibility of methods for synthesizing policies, such as access control and power management, from specifications.
4. To develop methodology for trust, privacy and security assurance, which takes into account sociological aspects and context variability.

More information on OUCL can be obtained from <http://web.comlab.ox.ac.uk/oucl/> and informal queries about the project can be sent to [Marta.Kwiatkowska@comlab.ox.ac.uk](mailto:Marta.Kwiatkowska@comlab.ox.ac.uk), see also <http://web.comlab.ox.ac.uk/oucl/people/marta.kwiatkowska.html>

## Further Reading

For more information about the work of the group see the URLs:

<http://www.cs.bham.ac.uk/~dxdp/prism/>

<http://qav.comlab.ox.ac.uk/projects/epsrc-pss/>

<http://qav.comlab.ox.ac.uk/projects/epsrc-ubival/>

<http://qav.comlab.ox.ac.uk/projects/epsrc-swverif/>