

### 1.1 Dr Philippe de Wilde

### Imperial College

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<b>Keywords</b> <i>select as appropriate</i>	<b>Security</b>		<b>Fraud Control</b>		<b>Privacy</b>
<i>(Add keywords from list)</i>	e-commerce		Game Theory		
Neural Networks	Fuzzy Logic		Intelligent Agents		
<b>Research Overview:</b>					
I model the leaking of information among decision makers using fuzzy logic. In a lot of operations, e.g. tendering, trading, auctioning, it is forbidden for the participants to exchange information. However, some information about the competitors is inevitable present. I am developing a model, based on game theory and fuzzy logic, that helps decision makers to exploit the 'gray' information they have about their competitors.					
<b>Source HEI</b>					

## 1.1 Professor Morris Sloman

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<b>Keywords</b> <i>select as appropriate</i>		<b>Security</b>		x	<b>Fraud Control</b>		o	<b>Privacy</b>		x
<i>(Add keywords from list)</i>		Security policy				Security policy analysis				
Role based access control		Trust models								
<b>Research Overview:</b>										
<p>Our main research is on tool support for specification and analysis of security policy within a role based framework. Future work will relate to security for mobile computing systems in healthcare applications and development of security trust models for mobile healthcare.</p> <p>See <a href="http://www-dse.doc.ic.ac.uk/~mss">http://www-dse.doc.ic.ac.uk/~mss</a> for links to publications.</p>										
<b>Contact:</b> Professor Morris Sloman				<b>Tel:</b> 020 7594 8279						
<b>Email:</b> m.Sloman@doc.ic.ac.uk										
<b>Research Project overviews:</b>										
<p><b>Researcher(s):</b> Dr. N. Dulay, Dr. B. Nuseibeh, Dr. E. Lupu  <b>email:</b> n.dulay@doc.ic.ac.uk, ban@doc.ic.ac.uk, e.c.lupu@doc.ic.ac.uk  <b>details:</b> EPSRC funded SecPol Project: The overall objective of this project is to provide a framework for managing security in large, multi-organisational distributed systems. This will include techniques and tools for specification of security policy by refining high level goals into implementable policies; analysis of policies for inconsistencies and conflicts; and example mappings onto modern security implementation mechanisms. It will build upon the Role based management framework developed at Imperial College. For more details see <a href="http://www-dse.doc.ic.ac.uk/projects/secpol/SecPol-overview.html">http://www-dse.doc.ic.ac.uk/projects/secpol/SecPol-overview.html</a>.</p>										
<p><b>Researcher(s):</b> Dr. N. Dulay, Dr. E. Lupu, Mr. N. Damianou  <b>email:</b> n.dulay@doc.ic.ac.uk, e.c.lupu@doc.ic.ac.uk, ncd@doc.ic.ac.uk  <b>details:</b> EPSRC funded PONDS: The objectives of this project are to define a notation plus associated tools for the specification of wide range of different types of policies and constraints for distributed systems and networks. The notation should be extensible to cater for future policy types and support analysis for conflicts arising from distributed policy specification possibly in different interacting organisations. We will examine alternative strategies for representing policies to permit transfer around the network and approaches to implementing policy interpreters.  See <a href="http://www-dse.doc.ic.ac.uk/policies/">http://www-dse.doc.ic.ac.uk/policies/</a> for details</p>										

<b>Source HEI</b>

**Professor E Mamdani****Imperial College**

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<b>Keywords</b> <i>select as appropriate</i>		<b>Security</b>		<b>O</b>	<b>Fraud Control</b>		<b>o</b>	<b>Privacy</b>	<b>o</b>
<i>(Add keywords from list)</i>		Neural networks			Agents				
<b>Research Overview:</b>									
<p>Research interests in three themes:  The work on Logic arose out of fuzzy logic, therefore it stresses inference under uncertainty  The work on Knowledge based systems is targeted towards its application to industrial control. The reasoning techniques that we have interest in include: blackboard systems, multidata fusion and truth maintenance systems.</p>									
<b>Contact:</b> IC Consultants Ltd				<b>Tel:</b> 0171 594 6565					
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<b>Research Project overviews:</b>									
<b>Researcher(s):</b>									
<b>email:</b>									
<b>Details:</b>									
<b>Source BEST 1998</b>									

**Mr M Sergot**

**Imperial College**

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<b>Keywords</b> <i>select as appropriate</i>		<b>Security</b>		<input type="radio"/>	<b>Fraud Control</b>		<input type="radio"/>	<b>Privacy</b>		<input type="radio"/>
<i>(Add keywords from list)</i>										
<b>Research Overview:</b>										
Research interests cover: logic for knowledge representation in artificial intelligence and databases; applications of computers in law; temporal reasoning; deductive databases										
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<b>Research Project overviews:</b>										
<b>Researcher(s):</b>										
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<b>Source BEST 1998</b>										