

# CURRICULUM VITAE – PROFESSOR MORRIS SLOMAN

Full Name and Title: Professor Morris Samuel Sloman  
Date of Birth: 5 December 1947  
Date of recognition as  
Teacher of the University: 9 February 1979  
Current Appointment: Professor, Department of Computing, Imperial College London  
(since Oct. 1996)  
Deputy Head of Department

## Higher Education

1966 - 1970 University of Cape Town, South Africa.  
B.Sc. Electrical Engineering (First Class Honours).  
1966 -1970 Rhodesian Government Scholarship  
1971 Awarded Ninham Shand Postgraduate Scholarship  
from University of Cape Town (duration 2 years).  
Apr. 1971 - Sep. 1974 University of Essex, Department of Computing.  
Research on microprogrammable computers and content addressable  
memories.  
July 1976 Awarded Ph.D. in Computer Science from University of Essex  
Thesis: "A Content Addressable Memory System".

## Membership of Professional Bodies

Fellow Royal Academy of Engineering since July 2006.  
Member British Computer Society since August 1987, Fellow BCS since Oct. 2003  
Member IEE since June 1991, Fellow IET since Aug. 2004  
Member IEEE since 2004, Fellow IEEE since 2011  
Chartered Engineer since June 1990

## Awards

IEEE/IFIP Dan Stokesberry Memorial Award For a particularly Distinguished Contribution to the  
Growth in the Field of Network Management from IM 99 Advisory Board.

## Appointments

Oct. 1996 – present Professor, Department of Computing, Imperial College London.  
Teaching: Distributed Systems (3<sup>rd</sup> year option),  
Networks and Distributed Systems (MSc)  
Administration: College Consul (2010-2013) – A 50% time College role involving academic  
appointment and promotion interviews, Department teaching and research student  
programme reviews, student appeals committees, membership of Engineering  
Studies and Post Graduate Quality Committee etc.  
  
Deputy Head of Department since  
Director of Research for Department (2005-2009)  
Member Engineering Faculty Research Committee (2004-2009)  
Head of Distributed Software Engineering Section since 1999  
Director Industrial Liaison for Department (2003-2004)  
Director of Finance for Department (1998-2003)  
Departmental Management Committee (since 1999)  
Departmental Resources & Budget Committee (1998-2003)  
Chairman College Cabling Strategy Working Group (1996-7)

Various Departmental promotions review panels

- Oct. 1992 - 1996      Reader, Department of Computing,  
Teaching:            2<sup>nd</sup> year Operating Systems, 3<sup>rd</sup> year Distributed Systems  
Administration:    Assistant Director for Computer and Communications Services  
                          Departmental Computing Support Policy committee  
                          Departmental Budget Committee  
                          College Security Policy Committee
- Oct. 1988 - Sep 1992 Senior Lecturer Department of Computing.  
Teaching:            2<sup>nd</sup> year Operating systems, 3<sup>rd</sup> year Networks and Distributed systems  
Administration:    Computing support policy committee, resources and budget committee.
- Feb. 1976 - Sep 1988 Lecturer Department of Computing.  
Teaching:            hardware, computer architecture, networks and distributed system.  
Administration:    member various departmental committees including computing support policy and  
                          management committees.
- Oct. 1974 - Dec. 1975 Systems programmer GEC Computers Ltd.  
I worked on the OS4000 Operating System for the GEC 4080 Computer – software  
for the filing system, disc drivers and the real-time clock.

## PhDs supervised:

K. Garg:	Performance Validation Techniques for Distributed Systems Using Timed Petrinets (Oct 1980- May 1984)
X. Andriopoulos	Databases for Distributed Real Time Systems. (Oct. 1982 - Feb. 1986)
D. Robinson	Domain Based Management of Distributed Systems Oct. 1983 -May 1988 (external Part Time)
J. Moffett	Delegation of Authority Using Domain Based Access Rules Oct. 1986 - Sep. 1990 (Part Time RA)
D. Protic	Abstraction Techniques for Configuring Distributed Systems Oct. 1986 - July 1991 (Part Time TA)
K. Twidle	Domain Services for Distributed Systems 1987 - 1993 (Part Time RA)
M. Mansouri-Samani	Monitoring of Distributed Systems Oct. 1991- Dec. 1995 (EPSRC CASE award from HP Labs, Bristol)
N. Yialelis	Domain-Based Security for Distributed Object Systems Oct. 1991 - Oct. 1996 (Part Time RA)
D. Marriott	A Policy Service for Distributed Systems. Oct 1992 – Aug. 1997
M. Nuttall	Cluster Load Balancing using Process Migration, Oct. 1993 - Aug. 1997 (EPSRC CASE award from IBM)
H. Fossa	Interactive Configuration Management for Distributed Systems, Oct.1993 - Sep. 1997
E. Lupu	A Role-Based Framework for Distributed Systems Management, Oct 1994 - July 1998 (Part Time RA)
N. Damianou	A Policy Framework for Management of Distributed Systems, Oct. 1998- March 2002
D. Chalmers	Contextual Mediation to Support Ubiquitous Computing Oct. 1998- Aug. 2002
T. Grandison	Trust Management for Internet Applications Oct 1999 -Jul. 2003
L. Lymberopoulos	An Adaptive Policy Based Framework for Network Management Oct 2000 – Jul. 2004.
Sye-Loong. Keoh	A Policy-based Security Framework for Ad-hoc Networks ( 2 <sup>nd</sup> supervisor) Oct 2001 - June 2005.
Vrizlynn Thing	Adaptive Response System for Distributed Denial-of-Service Attacks Oct 2004 – July 2008
Eskindir Asmare	Self-managed cells for Autonomous Systems (1st supervisor) Oct 2006 – April 2011
Mr Alberto Schaeffer	Interactions Between Self-Managed Cells (2nd supervisor) Oct 2006 – June 2010
Mr. Themistoklis Bourdenas	Autonomic Failure Management (1st supervisor) Oct. 2007 – Sep 2011
Mr Srdjan Marinovic	Security for Pervasive Flows (2nd Supervisor) April 2008 - March 2013

## Recent RA Supervision:

Dr. Anandha Gopal	DTC Project / Aedus 2
Mr Dominic Corapi	Primma Project
Dr Ryan Wishart	Primma Project
Dr. Anil Madhavapeddy	Primma Project
Mr. Changyu Dong	EPSRC Homework Project
Mr. Dimosthenis Pediaditakis	EPSRC Homework Project
Dr Kevin Twidle	Allow Project
Mr Srdjan Marinovic	Allow Project
Dr Robert Craven	IBM ITA
Mr Jiefei Ma	IBM ITA

**External Examiner:**

Trinity College Dublin, Computing Courses (2004 -2005)

University of Lancaster Undergraduate Computing Courses (1998 - 2003)

University College London Advanced Masters Course on Data Communications and Networks (1995-1998).

I have been external examiner for many research degrees ( PhD, MPhil, Masters) at University College London, University of Lancaster, Hatfield Polytechnic, Sussex University, University of Twente, University of Stockholm, Trinity College Dublin, University of Pretoria, University of Munich, University of Lisbon.

## PROFESSIONAL ACTIVITIES

### Appointment Panels

Universities of Edinburgh, Stirling, Helsinki and KTH Stockholm, Lancaster, Aalto University Finland.

### Journal Editors

Editor in Chief of the *IEEE Transactions on Network and Service Management* since 2011-13.

Advisory board of the Springer *Journal of Network and Systems Management* since August 1994.

Editorial Advisory Board Wiley *International Journal of Network Management*, since 2009

IEEE/IOP/BCS Distributed Systems Engineering (co-editor) 1993-1999

Guest Editor *Journal of Network and Systems Management*, Special Issue on Policy Based Management, Vol 11, No. 3 Sep. 2003.

Guest Editor *IEEE Distributed Systems Online*, Special Issue on Mobile Data Management, Vol. 4, No. 12, Dec 2003, <http://dsonline.computer.org/0310/f/gei.htm>

Guest Editor *IEEE Journal on Selected Areas in Communications on Autonomic Communication Systems*, 2005

### Conference Opening or Keynote Invitations

GI/ NTG Conference on Communications for Distributed Systems, Berlin Jan 1983.

Industriellen Kommunikations-systemen Conference, *plenary keynote paper*, Stuttgart, Germany 1988

IFIP First International Symposium on Integrated Network Management, *opening speaker for the distributed systems track*, Boston May 1989.

Esprit 92 Conference, *opening speaker for distributed systems session*, Brussels, Nov. 1992

IEEE/IFIP Distributed Systems Operations and Management Workshop, *opening speaker*, Toulouse. Sep. 1994.

High Performance Computers for Visualisation of Computer Graphics, Swansea, *keynote distributed systems speaker*, July 1995

HP OpenView workshop, Bologna June 1999, *invited keynote speaker*.

HP OpenView Forum International Conference, New Orleans, June 2001 *invited keynote speaker*

Management of Ubiquitous Communications (MUCS), Trinity College Dublin, Dec. 2004 *invited keynote speaker*

8th International Conference on Feature Interactions in Telecommunications and Software Systems June 2005, Leicester, UK, *invited keynote speaker*

Engineering Policy Based Ubiquitous Systems, Invited BCS Computer Journal Lecture, May 2009

The Many Faces of Policy Based Management, IEEE/IFIP Network Operations and Management (NOMS'12), Maui, April 2012, *invited keynote*

### Invited speaker

SERC Control Summer School in Sheffield, Sept. 1980.

SERC Distributed Computing Systems Conference 1983

NATO ASI Summer School on Distributed Operating Systems, Cesme, Turkey, Aug. 1986

International Workshop on Experiences with Distributed Systems, Kaiserslautern, Germany Sep. 1987

IBC Technical Services, Conference on Data Communications: Networking in Distributed Multi-Vendor Systems, London, July 1988,

IEE Colloquium on Network Management - User Perspective, London, May 1989.  
 NSF/NIST Policy Specification Workshop, George Mason University, Virginia, Dec. 1994  
 EPSRC Workshop on Networks for Next Millennium, Birmingham, April 1995  
 Object World UK, London, June 1995.  
 X/Open Joint Council Meeting, Paris, Dec. 1995  
 IIR Deploying Multi-service Networks to support Convergence, November 1999  
 Multi-Service Networks '99 Cosener House  
 Microsoft Research, Cambridge 12 January 2000  
 Computing Department, Birmingham University 27 January 2000  
 Cosener House Multiservice Networks, July 2000  
 FIPA Meeting London, February 2000  
 CDS Club Networks and Mobility Workshop, Nov 2000  
 Software Technologies Outreach Programme, e-working: How to improve efficiency, April 2001  
 Cosener House Multiservice Networks, July 2002  
 Software Technologies Outreach Programme, Ambient Intelligence/Pervasive Computing,  
 London, Nov. 2002  
 London Technology Network Ubiquitous Computing, October 2003  
 Annual Distinguished Seminar, De Montfort University, Feb 2007  
 Grand Challenge Departmental Seminar, York University, Jan 2009

## Conference Organisation Committees

Euromicro 1980 Conference Organising Committee  
 IEEE/IFIP International Symposium on Integrated Network Management (IM), PC member since  
 1989, program co-Chair 1999, steering committee since 1999.  
 IEEE Network Operations and Management Conference (NOMS), Integrated Management (IM) and  
 Distributed Systems Operations and Management Steering Committee since 2003  
 IEEE International Symposium on Policies for Networks and Distributed Systems. I set up this  
 conference series in 1999, was organisational chair in 2000, and am on the steering  
 committee.  
 IEEE Computer Society Distributed Systems Conferences: Program Committee for the 7<sup>th</sup>, 8<sup>th</sup>, 11<sup>th</sup> in  
 1987, 1988, 1990, 1991, Program Vice Chairs for the 10<sup>th</sup> Conference in Paris 1990.  
 IEE International Workshop on Configurable Distributed Systems, London, March 1992,  
 organisational chair  
 IEE Colloquium on Distributed Object Management, London, Jan 1994, General Chair  
 International Workshop on Services for Management of Distributed Systems (SMDS), Karlsruhe, Sep.  
 1995, Program chair  
 IEEE Enterprise Distributed Object Computing Conference, 1997, I helped to set up this conference,  
 was program co-chair in 1997 & member of the steering committee from 1997-2001  
 OPENSIG 2001 Workshop, Imperial College, Sep. 2001 General Chair.  
 British Academy Science Festival Engineering Session organising committee, 2002, 2003  
 Mobile Data Management, Melbourne, January 2003, Program co-chair  
 UK-UbiNet Workshops: organised summer schools and workshops as part of the EPSRC funded  
 network – 6 workshops Sep. 2003- Mar. 2007  
 UbiComp Grand Challenge Workshop, Imperial College General Chair, Jan 2009

## Conference Program Committees

IFAC Workshops on Distributed Computer Control Systems 1982-86.  
 International Computers and Communications Conference, Phoenix, USA, March 1990.  
 IFIP Symposium on Open Distributed Processing, Berlin, October 1991  
 IEEE/IFIP Distributed Systems Operations and Management Workshops in since 1992  
 IEEE International Workshop on Services in Distributed and Networked Environments (SDNE 94),  
 June 1994 Prague, SDNE95, Whistler, British Columbia, June 1995, SDNE 96 Macau,  
 June 1996.  
 TINA 95 Conference, Australia, Feb. 1995.

EPSRC Workshop on Networks for the Next Millennium, Birmingham May 1995  
ICE/WET Workshop on Enterprise Security 1996  
IFIP/IEEE Management of Multimedia Networks and Services (MMNS97)  
IFIP Middleware'98 Distributed Systems Platforms and Open Distributed Processing  
IFIP WG 6.1\* International Working Conference on Distributed Applications and Interoperable Systems (DAIS 99),  
3<sup>rd</sup> IFIP/GI International Conference on Trends towards a Universal Service Market (USM 2000)  
3<sup>rd</sup> IEEE Conference on Open Architectures and Network Programming OPENARCH 2000  
17<sup>th</sup> Annual Computer Security Applications Conference ACSAC, Dec. 2001  
IEEE Enterprise Distributed Object Computing Conference 2002, 2003  
3<sup>rd</sup> Agent-Oriented Software Engineering workshop AOSE 02, July 2002  
International Conference on Trust Management, 2003 - 2005  
Workshop on Middleware for Pervasive and Ad-hoc Computing 2003, 2004  
ACM Computer and Communications Security 2004 (CCS04)  
ACM International Conference on Mobile Computing and Networking 2004 (MobiCom 2004)  
2nd IEEE International Conference on Autonomic Computing (ICAC 05)  
International Workshop on Wearable & Implantable Body Sensor Networks (BSN) 2003-2009  
Second IEEE International Workshop on Self-Managed Networks, Systems & Services (SelMan2006)  
First IEEE International Conference on Self-Adaptive and Self-Organizing Systems (SASO 2007),  
8th IEEE International Conference on Pervasive Computing & Communications (Percom2010)

## **Panels**

London Technology Network: Ubiquitous Computing, Nov 2002  
Integrated Management 2005, Nice: Panel on Policy Based Management and Distinguished Experts Panel  
Network Operation and Management, 2008, Salvador Brazil, Distinguished Experts Panel.  
Network Operation and Management, 2012, Maui, Distinguished Experts Panel

## **Panel Chairs**

Future Network Management for the ACTS Intelligence in Services and Networks conference 1997  
Programmable Networks for DSOM 1999  
Policy Based Management for NOMS 2000, Hawaii  
Will Pervasive computing be Manageable at IM 2001, Seattle  
Future Directions for Policy Research at Policy 2001  
Policy management: is it real or just good marketing? at NOMS 2002, Florence  
Ubiquitous Computing: Reality or Hype? for MDM 2003, Melbourne  
Policy Based Management: the Holy Grail, Policy 2004, White Plains, NY.

## **Conference Tutorials**

Policy Based Network and Security Management with Dr. E. Lupu given at IFIP/IEEE NOMS, Hawaii April 2000, Florence May 2002, IEEE EDOC, Japan Sep. 2000, IFIP/IEEE IM Seattle May 2001.

## Member of Committees

- 1978 - 1985 Member of EU funded European Workshop on Industrial Computer Systems (EWICS) TC10 on distributed computer control systems and TC5 on Computer Networks.
- 1985 - 1992 Member of UK Special Interest Group on Distributed Systems Management (SIGDSM).
- 1987 - 1992 Member of the BSI IST21/ODP Working Group on Open Distributed Processing.
- 1987 - IFIP WG 6.6 on Network Management
- 1988 - 1994 IEE Committee C3 Information Systems and Networks
- 1991 - 1993 Steering Committee for the CEC funded European Special Interest Group on Distributed Systems (ESIGDS).
- 1993 - 1995 Member of BSI IST21 WG4 on Network Management.
- 1998 - 2001 HEFCE 2001 Research Assessment Exercise Computing Panel
- 2002 Forfás Ireland Assessment panel for Ireland Universities ICT Research
- 2002 - Executive Committee of UK Committee for Research on Computing (UKCRC) which is an advisory panel to the IET, BCS and CPHC on computing research issues.
- 2005 - International Advisory Council INESC-Lisboa
- 2005 Deputy Chairman HEFCE 2008 Research Assessment Exercise Computing Panel
- 2005 - 2010 Chair UKCRC Ubiquitous Computing Grand Challenge steering committee.
- 2005 -2006 Chairman funding panel for Nederlandse Organisatie voor Wetenschappelijk Onderzoek (NWO) Global Computer Science Program (GLANCE)
- 2008 Member NWO IsFast (I-science for astronomy) funding panel
- 2006 -2008 MOD Defence Security Advisory Committee, Information Security Board.
- 2009 Member HEFCE Research Excellence Framework (REF) Advisory Group
- 2012 International Panel Reviewing INRIA Networks and Telecommunications Theme
- 2011-2014 Deputy Chair HEFCE Research Excellence Framework Computing Science and Informatics Sub-panel

## EPSRC

- 1992 - 1994 Communications and Distributed Systems (CDS) grants committee
- 1993 - 1994 Specially promoted programme on Networks project review committee
- 1994 - 1995 EPSRC/DTI High Performance Interfaces and Protocols (HPIP) programme grants committee and project review committee
- 1994 - 1995 Working groups formulating IMI Telecommunications sector research programme, Multimedia and Network Applications (MNA) research programme, organising Networks in the Next Millennium conference.
- 1994 EPSRC reviewer for Masters courses at University of Strathclyde and two courses at University College London.
- 1995 EPSRC CDS strategy committee
- 1995 Elected to Communications College of Peers
- 1995 - 2000 Chairman EPSRC MNA Programme grants committee
- 2000 - 2002 Management Committee for Programmable Networks Programme
- 2002 - 2004 Information & Communication Technologies Strategic Advisory Team (ICT SAT)
- 2002 - Member of various funding panels.

## Consultancy

- 1982 - 1984 Senior Course Instructor for Integrated Computer Systems on their Computer Networks Course.
- 1983 - 1984 Consultancy for Imperial Software Technology on 2 of their contracts with the US Army on Distributed Real time Systems.
- 1985 - 1986 Consultancy for Denton, Hall, Burgin and Warren involving arbitration on real-time monitoring and control systems for a large overseas desalination plant.
- 1988 Consultant to Clifford Chance on computer litigation.
- 1989 - 1990 I have acted as a Consultant to Nokia Data and PTT Tele in Finland, Digital Equipment Corporation in France & UK and International Business Communications giving short courses on Distributed Systems and Computer Networks
- 1993 BP Research
- 1990 - 1992 Sema Group, London.
- 1990 - 1994 Consultancy for ICCF to ICL, BT, British Gas, Sharp, BNR.
- 1994 -1995 Cedel Luxembourg producing technology reports and reviewing new architecture development plans
- 1995 IBM – Review of Corporate Strategy on Systems Management
- 1997-2000 Orchestream,
- 1997 Barclays Capital, and BZW
- 1997 -2001 Fujitsu Labs, Japan.
- 2000 Kirkland & Ellis in USA on a patent case
- 2000 Xerox Cambridge Research.
- 2002 Wragge & Co, London on a patent case
- 2004 Hewlett Packard, USA
- 2004-2005 Kinitron, London
- 2005 StemVentures
- 2005-2008 QinetiQ, UK

## RESEARCH GRANTS AND CONTRACTS

### Past 10 years

- Principal Investigator EPSRC: PolyNet: Policy Based Management of Adaptive Networks, £340K  
July 2001 - Feb 2005
- Principal Investigator Cisco: Polyander Language Based Policy Specification, Analysis and  
Deployment for Large-scale Systems £89K, March 2002 - Aug 2004
- Principal Investigator EU Network iTrust: Working Group on Dynamic Trust Management for Open  
Systems, £10K, 2002- 2005
- Principal Investigator EPSRC AEDUS: Adaptable Environments for Distributed Ubiquitous Systems -  
Platform grant for Distributed Software Engineering Group, £407K, July 2002- June 2007.
- Principal Investigator EPSRC UK-UbiNet: The UK Ubiquitous Computing Network, £63K, April 03  
– Sept. 06
- Technical Director DTI Next Wave Technologies funded UbiCare Centre on Ubiquitous Computing  
for Care in the Community involving Tyco, Medtronic, Orange, Telewest, Toumaz Technology,  
Lancaster University, Southampton University £750K Imperial College funding, March 2003 -  
Feb. 2006.
- Co-investigator EPSRC AMUSE: Autonomic Management of Ubiquitous Systems for e-Health  
£270K, Feb 2004 - Sep. 2007 ( Collaborative with Glasgow University)
- Co-investigator EPSRC PAQMAN: Policy Analysis for Quality of service MANagement  
£205K, March. 2004- Aug 2007 (Collaborative with Surrey University)
- Principal Investigator EU FP6 Diadem Distributed Firewall  
£210K Feb. 2004-Sep 2006
- Co-investigator EU FP6 TrustCom: A Trust and Contract Management framework enabling secure  
collaborative business processing in on-demand created, self-managed, scalable, and highly  
dynamic Virtual Organisations, £303K, Feb 2004 - May 2007
- IBM Faculty Award: Pacint: Policy-based Autonomic Cell Interactions, £21.6K Oct. 2004
- Principal Investigator: EPSRC WINES Programme: BiosensorNet: Autonomic Biosensor Networks  
for Pervasive Healthcare, £1.35M, Oct 2005 - Mar. 2009
- Co-Investigator EPSRC WINES Programme: Cityware: Urban Design and Pervasive Systems,  
£270K, Oct 2005- Sep.2009 (Collaborative with University of Bath, Bartlett School of  
Architecture UCL, HP, Vodafone, Nokia, IBM)
- Co-Investigator EPSRC CareGrid: Autonomous Trust Domains for Healthcare Applications  
£340K, Oct 2005- Sep.2008 (Collaborative with Cambridge University).
- Principal Investigator Defence Technology Centre Self Managed Mobile Cells £349K, Aug 2005-  
May 2009
- Principal Investigator Policy Based Security and Network Management (MOD, US ARMY  
International Technology Alliance) funded by IBM, £900K, May 2006 – May 2011
- Co-Investigator EU Emanics: European Network of Excellence on Management of the Internet and  
Complex Services, £167K, Jan 2006 – Dec 2009
- Co-Investigator Qinetiq ESII: Enabling Secure Information Infrastructure, March 2007-July 2008,  
£177K
- Principal Investigator EPSRC AEDUS2: Adaptable Environments for Distributed Ubiquitous Systems  
- Renewed Platform grant for Distributed Software Engineering Group, £1.129M, Aug 2007-  
July 2012.
- Co-Investigator EU Allow: Adaptable Pervasive Flows (Collaboration with Stuttgart, Passau &  
Lancaster Universities, Bruno Kessler Foundation Italy), Feb. 2008- Jan 2011, £346,236
- Principal Investigator EPSRC PRiMMA: Privacy Rights Management for Mobile Applications, April

2008-March 2011, £605K ( Collaborative with Open University).

Co-Investigator EPSRC WINES Homework: Shaping Future User Centred Domestic Infrastructures  
(Collaboration with Nottingham and Glasgow) Sep 2008- Feb 2012, £616,878

## PUBLICATIONS M. Sloman

### a) Journals

1. Sloman, M., "X25 Explained" *Computer Communications* 1:6, (1978),310-327.
2. Prince, S. and Sloman, M., "The Communication Requirements of a Distributed Computer Control System", *IEE Proc., Pt. E*, 128:1, (1981), 21-34.
3. Kramer, J., Magee, J., and Sloman, M.S., "A Software Architecture for Distributed Computer Control Systems" *Automatica*, 20, (1984), 93-102.
4. Kramer, J., Magee, J., Sloman, M.S., and Lister, A., "CONIC: An Integrated Approach to Distributed Computer Control Systems" *IEE Proc., Pt. E*, 130, (1983), 1-10.
5. Sloman, M. and Andriopoulos, X., "A Routing Algorithm For Interconnected Local Area Networks" *Computer Networks and ISDN Systems*, 9:2, (1985), 109-130.
6. Sloman, M.S., Kramer, J., Magee, J., and Twidle, K.P., "A Flexible Communication System for Distributed Embedded Systems" *IEE Proc., Pt. E*, 133, (1986), 201-211.
7. Kramer, J., Magee, J., and Sloman, M.S., "The CONIC Toolkit for Building Distributed Systems" *IEE Proc. Pt. D*.134:2, (1987), 73-82 Moffett, J. and Sloman M. "The Source of Authority for Commercial Access Control" *IEEE Computer*, 21:2, Feb. 1988, pp. 59-69
8. Robinson, D. and Sloman, M., "Domain Based Access Control for Distributed Computing Systems", *IEE/BCS Software Eng. Journal*,3:5, Sep. 1988, pp.161-170
9. Magee, J., Kramer, J. and Sloman M.S., "Constructing Distributed Systems in Conic" *IEEE Trans. on Software Eng.*, SE-15, (1989), 663-675.
10. Kramer, J., Magee, J., and Sloman, M.S., "Managing Evolution in Distributed Systems" *IEE/BCS Software Eng. Journal*,4:6, Nov. 1989, pp.321-329
11. Moffett J., Sloman M and Twidle K. "Specifying Discretionary Access Control Policy For Distributed Systems" *Computer Communications*, 13:9, Nov. 1990, pp. 571-580
12. Moffett, J. and Sloman M. "Content Dependent Access Control" *ACM SIGOPS Operating Systems Review*, 25:2, Apr. 1991, pp 63-70
13. Kramer, J., Magee, J., Sloman, M.S., and Dulay, N. "Configuring Object Based Distributed Programs in Rex" *IEE Software Engineering Journal*, 7:2, March 1992, pp. 139-149
14. Moffett, J & Sloman, M. "User and Mechanism Views of Distributed Systems Management" *IEE/BCS/IOP Distributed Systems Engineering*, 1:1, Aug. 1993, pp. 37-47. (Special issue of selected papers from OpenForum 92).
15. Monsouri-Samani, M. & Sloman, M. "Monitoring Distributed Systems" *IEEE Network*, 7:6, Nov. 1993, pp.20-31
16. Moffett, J. & Sloman, M "Policy Hierarchies for Distributed Systems Management" *IEEE Journal on Selected Areas in Communications*, 11:9, Dec. 1993, pp. 1404-1414
17. Moffett, J. and Sloman M. "Policy Conflict Analysis in Distributed System Management" *Journal of Organisational Computing*, Ablex Publishing, 4:1, 1994, pp. 1-22
18. Muftic, S., & Sloman M. "Security Architecture for Distributed Systems" *Computer Communications* 17:7, July 1994, pp. 492-500
19. Sloman, M. "Policy Driven Management For Distributed Systems" *Plenum Press Journal of Network and Systems Management*, 2:4, Dec. 1994, pp. 333-360
20. Lupu E and M. Sloman "Towards a Role-based Framework for Distributed Systems Management" *Journal of Network and Systems Management*, vol. 5, no. 1, Plenum Press Publishing, 1997, pp 5-30.
21. Mansouri-Samani M., M. Sloman GEM: A Generalised Event Monitoring Language for Distributed Systems, *IEE/BCS/IOP Distributed Systems Engineering*, vol. 4 (2) 96-108, 1997
22. Chalmers, D., Sloman, M.; "A Survey of Quality of Service in Mobile Computing Environments" *IEEE Communications Surveys*, vol 2, no2, 2nd Quarter 1999  
<http://www.comsoc.org/livepubs/surveys/public/2q99issue/2q99-lead.html>
23. Marshall I., J. Crowcroft, M. Fry, A. Ghosh, D. Hutchison, D. Parish, I. Phillips, N. Pryce, M. Sloman, D Waddington, "Application Level Programmable Internetwork Environment", *BT Technology Journal*, Vol 17, No 2, 1999, pp 82-94

24. Lupu E., M. Sloman , "Conflicts in Policy-based Distributed Systems Management", *IEEE Trans. on Software Engineering*, Special Issue on Consistency, Vol 25, No. 6 Nov. 1999, pp. 852-869.
25. Grandison T. and M. Sloman, "A Survey of Trust in Internet Applications", *IEEE Communications Surveys and Tutorials*, vol. 3 no 4, 2000  
<http://www.comsoc.org/livepubs/surveys/public/2000/dec/index.html> .
26. Lupu E, Dulay N, Damianou N, Sloman M, Structuring Devolved Responsibilities in Network and Systems Management, *Networking and Information Systems Journal*, Vol 3 No 2/2000, pp. 261-277, Hermes Science Publications.
27. Sloman M., E. Lupu Security and Management Policy Specification, *IEEE Network Special Issue on Policy*, 16:2, March 2002, pp.10-19. (Invited but refereed paper)
28. Lymberopoulos L., E. Lupu and M. Sloman An Adaptive Policy Based Framework for Network Services Management, *Plenum Press Journal of Network and Systems Management*, Special Issue on Policy Based Management, Vol 11, No. 3 Sep. 2003, pp277-303
29. Calo S, Sloman M. Guest Editorial: Policy-based Management of Networks and Services, *Plenum Press Journal of Network and Systems Management*, Special Issue on Policy Based Management, Vol 11, No. 3 Sep. 2003
30. Chalmers D, Dulay N, Sloman M, A Framework For Contextual Mediation in Mobile and Ubiquitous Computing Applied to the Context-Aware Adaptation of Maps, *Personal and Ubiquitous Computing*, Springer-Verlag, vol.8 no.1, Feb. 2004, pp1-18.
31. Bandara A. , E. Lupu, , A. Russo, N. Dulay, M. Sloman, P. Flegkas, M. Charalambides, G. Pavlou, Policy Refinement for DiffServ Quality of Service Management, *IEEE Transactions on Network and Service Management*, 2(2), 2006, pp.2-13
32. Kamoda H., Yamaoka M, Matsuda S, Broda K, Sloman M, Access Control Policy Analysis Using Free Variable Tableaux, *Information Processing Society of Japan (IPSJ) Digital Courier*, Vol.2. pp207-221, May 2006.  
[http://www.jstage.jst.go.jp/article/ipsjdc/2/0/2\\_207/\\_article](http://www.jstage.jst.go.jp/article/ipsjdc/2/0/2_207/_article)
33. E. Lupu, N. Dulay, M. Sloman, J.Sventek, S. Heeps, S. Strowes, S.-L. Keoh, A. Schaeffer-Filho, K. Twidle, AMUSE: Autonomic Management of Ubiquitous e-Health Systems, *Wiley, Concurrency and Computation: Practice & Experience*, March 2008, Vol. 20, No.3, pp. 277-295
34. Yusuf S, Luk W, Sloman M, Dulay N, Lupu E Reconfigurable Architecture for Network Flow Analysis, *IEEE Trans. on Very Large Scale Integration Systems*, Vol. 16. No.1 Jan 2008, pp. 57-65
35. Marinos Charalambides, Paris Flegkas, George Pavlou, Javier Rubio-Loyola, Arosha K Bandara, Emil C Lupu, Alessandra Russo, Naranker Dulay, Morris Sloman, Policy Conflict Analysis for DiffServ Quality of Service Management, *IEEE Transactions on Network and Service Management*, Vol. 6, No. 1, March 2009, pp.15-30.
36. Zhu Y, Keoh S, Sloman M, Lupu EC, A Lightweight Policy System for Body Sensor Networks, *IEEE Transactions on Network and Service Management*, Vol. 6 No. 3, Sep. 2009, pp. 137-148
37. Thing V, Sloman M, Dulay N, Locating Network Domain Entry and Exit point/path for DDoS Attack Traffic *IEEE Transactions on Network and Service Management*, Vol. 6 No. 3, Sep. 2009, pp. 163-174.
38. Sloman M., Lupu E., Engineering Policy-Based Ubiquitous Systems, *The Computer Journal*, Vol 53, No. 7, pp1113-1127, 2010, <http://dx.doi.org/10.1093/comjnl/bxp102>
39. E.Asmare, A. Gopalan, M. Sloman, N. Dulay, E. Lupu, Self-Management Framework for Mobile Autonomous Systems, *Springer Journal of Network and Systems Management*, Volume 20 No. 2 , June 2012 pp 244-275.
40. Marinovic S, Dulay N, Sloman MS, Rumpole - An Introspective Break-glass Access Control Language, *ACM Transactions on Information and System Security*, Accepted for publication 2014

#### **b) Books**

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