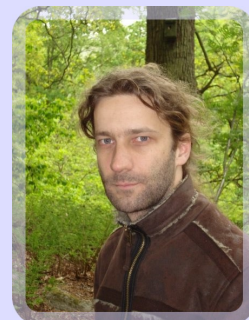


# MICHAEL ANGUS SCOTT JONES

BSc MSc PhD AMInstP

## PERSONAL DETAILS

<b>Home Address</b>	30 Redruth Street, Manchester, M14 7PX, UK		
<b>Work Address</b>	Research Computing Services, The University of Manchester, Oxford Road, Manchester, M13 9PL, UK		
<b>Telephone</b>	Work: +44 161 275 7038	Fax: +44 161 275 0637	
	Home: +44 161 6149 100	Mobile: +44 7779 128304	
<b>eMail</b>	<a href="mailto:mike.jones@manchester.ac.uk">mike.jones@manchester.ac.uk</a>		
<b>Date of Birth</b>	25th March 1975		
<b>Marital Status</b>	Married		



## QUALIFICATIONS

<b>Degrees</b>	PhD Experimental Particle Physics	Using AFS As A Distributed File System For Computational And Data Grids in High Energy Physics
	MSc Experimental Particle Physics	Measurement of Depletion Voltage And Leakage Current For Silicon Strip Detectors
	BSc(Hons) Physics with Technological Physics	(2.II)
<b>Professional</b>	Sun Grid Engine Certification	
<b>G.C.E.</b>	<b>S-Level</b>	Physics (Merit)
	<b>A-Level</b>	Physics (A), Pure Mathematics With Mechanics (B), Chemistry (C), General Studies (D)
<b>G.C.S.E.</b>	10 Awards including Physics (A), Mathematics (A) and English Language (B)	
<b>City &amp; Guild</b>	Radio Amateurs' Examination	
<b>Others</b>	Demonstrators and Student Assistants' Training; Basic German; Driving License	

## WORK EXPERIENCE

<b>The University of Manchester</b> September 2001 to Present. Various positions within Manchester Computing, Research Computing Services and the North-West eScience Centre	Acting Research Computing Services Manager Senior Grid Developments Officer eScience and Grid Computing Consultant Research Associate (Grid applications and infrastructure)
<b>Liverpool University Teaching</b> Academic years 1997, 1999 and 2000	Class Tutor and Laboratory Demonstrator
<b>The University of Manchester Teaching</b> Academic year 1996	Laboratory Assistant and Demonstrator
<b>Shell Research Ltd.</b> Thornton Research Centre, Summer 1996	Hydrocarbon in Steam detector design
<b>British Nuclear Fuels (BNFL)</b> Risley, Maths and Physical Sciences Section Summer 1995	On-line nuclear physics nuclear engineering portal, Literature searches
<b>Pilkington Optronics</b> St Asaph, Summer 1994	Test and Development Engineering & Holography

## POSITIONS OF RESPONSIBILITY

Acting Research Computing Services Manager	Jan 2008 – Present
Research Computing Services Grid Developments Team Leader	Nov 2007 – Present
UK eScience CA Registration Authority Manager	Jul 2007 – Present
Member of the UK eScience All-Hands Programme Committee	2008

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Grid Engineering Task Force, Project Leader	2004 – Present
Local and National, Grid and eScience Support	2001 – Present
University of Manchester Postgraduate and Mature Students' Society Deputy Chair	2002 – 2004
Forward Track Detector on call expert at H1, DESY	1998 – 1999
Shift work in small teams, responsible for data taking on the H1 experiment	1998 – 2001
Member of the Forward Tracker Upgrade Team	1998 – 2001
Various university and school, club secretary and captain positions	

## HONORARY POSITIONS

<b>The University of Manchester</b> School of Physics and Astronomy, May 2008 to Present.	Honorary Research Fellow
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## PROJECTS

The National Grid Service (NGS, NGS2) [acting co-investigator]	JISC	2004 – Present
NanoCMOS [co-investigator]	EPSRC, Industry	Feb 2008 – Present
Shibboleth Access to Resources on the NGS (SARoNGS) [co-investigator]	JISC	Jan 2008 – Present
User Friendly Security Solutions for Grid Environments	EPSRC	Jul 2007 – Present
Grid Engineering Task Force	EPSRC	Nov 2001 – Present
eScience Infrastructure Levels of Assurance (ES-LoA)	JISC	Nov 2006 – Nov 2007
Shibboleth Enabled Bridge to Access the NGS (SHEBANGS)	JISC	Nov 2006 – Feb 2007
Grid Enabled Desktop Environment (GRENADE)	EPSRC, SGI	Dec 2004 – Feb 2005
OGSA Testbed	EPSRC	Oct 2003 – Sep 2004
Akenti Access to Zetoc (A2Z)	JISC	Nov 2002 – Feb 2004
CAS Evaluation Project	JISC	Oct 2002 – Mar 2003
Seamless Access to Multiple Datasets (SAMD)	ESRC, DTI	May 2002 – Dec 2002
GridPP, GridPP2, BaBarGrid	PPARC	Sep 2001 – Jun 2005
H1 Forward Tracking Detector online monitoring	PPARC	Sep 1998 – Sep 2000

## EDUCATION

<b>PhD</b> Experimental Particle Physics	Sep 1997 – Jul 2005	HEPP, Department of Physics & Astronomy, The University of Manchester	
		HEP Department of Physics, Liverpool University	H1 Experiment DESY, Hamburg
<b>MSc</b> Experimental Particle Physics	Sep 1996 – Sep 1997	HEPP, Department of Physics & Astronomy, The University of Manchester	
<b>BSc</b> Physics + Technological Physics	Sep 1993 – Jun 1996	Department of Physics & Astronomy, The University of Manchester	
<b>Secondary Education</b>	Sep 1986 – Jul 1993	Rishworth School, Halifax, West Yorkshire	
<b>Summer Schools</b>	Sztaki Budapest: Grid '05 Regional EGEE Summer School SLAC: CP Violation in the Standard Model and Beyond RAL: Summer School for Young High Energy Physicists		

## EXTRA CURRICULA

Piano, Magic the Gathering, Badminton, Golf, Board Games, Digital Photography, Cooking, Various Technology, 中文, 普通话

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## RESEARCH INTERESTS

Grid Computing	Grid Security, Global File Systems, Interoperability, Grid Economics & Accounting
eScience	Collaborative Environments, Workflow, Social Networks
Application Areas	Particle Physics, Social Science, Engineering, GeoSpatial Data, Performing Arts

## AWARDS

HPC Challenge Award: Most Geographically Distributed Application at SC2002 Member of the international team on project entitled "Global Grid Collaboration Testbed"
HPC Challenge Award: The Most Heterogeneous Set of Platforms award at SC2002 Member of the international team on project entitled "Global Grid Collaboration Testbed"
HPC Challenge Award: Most Innovative Data-intensive Application at SC2003 Member of the team on project entitled "Transcontinental RealityGrids for Interactive Collaborative Exploration of Parameter Space."
Duke of Edinburgh Award: Bronze, Silver and Gold
School Prizes for physics, choir and services to the school

## JOURNAL PAPERS

### 2006

"GridPP: Development of the UK computing Grid for particle physics" P. J. W. Faulkner <i>et al.</i> [GridPP Collaboration]	J. Phys. G <b>32</b> , N1-N20
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### 2004

"Forward $\pi^0$ production and associated transverse energy flow in deep-inelastic scattering at HERA" A. Aktas <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>36</b> , 441
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### 2003

"Diffractive photoproduction of J/psi mesons with large momentum transfer at HERA" A. Aktas <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>568</b> , 205
"Search for new physics in $e^+e^-$ q contact interactions at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>568</b> , 35
"Measurement and QCD analysis of neutral and charged current cross sections at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>30</b> , 1
"Measurement of inclusive jet cross sections in photoproduction at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>29</b> , 497
"Isolated electrons and muons in events with missing transverse momentum at HERA" V. Andreev <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>561</b> , 241

### 2002

"Search for excited electrons at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>548</b> , 35
"Search for odderon-induced contributions to exclusive $\pi^0$ photoproduction at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>544</b> , 35
"Measurement of inclusive jet cross-sections in deep-inelastic $e p$ scattering at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>542</b> , 193
"Diffractive photoproduction of $\psi(2S)$ mesons at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>541</b> , 251
"Search for QCD instanton-induced processes in deep-inelastic scattering at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>25</b> , 495
"Inelastic leptonproduction of J/psi mesons at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>25</b> , 41

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"Inelastic photoproduction of J/psi mesons at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>25</b> , 25
"A measurement of the t dependence of the helicity structure of diffractive rho meson electroproduction at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>539</b> , 25
"Energy flow and rapidity gaps between jets in photoproduction at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>24</b> , 517
"Measurement of dijet cross sections in photoproduction at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>25</b> , 13
"Measurement of dijet electroproduction at small jet separation" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>24</b> , 33
"Search for excited neutrinos at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>525</b> , 9
"Measurement of D*+- meson production and F2(c) in deep inelastic scattering at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>528</b> , 199
<b>2001</b>	
"D*+- meson production in deep-inelastic diffractive interactions at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>520</b> , 191
"On the rise of the proton structure function F2 towards low x" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>520</b> , 183
"A search for leptoquark bosons in e- p collisions at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>523</b> , 234
"Measurement of deeply virtual Compton scattering at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>517</b> , 47
"Three-jet production in deep-inelastic scattering at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>515</b> , 17
"Photoproduction with a leading proton at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Nucl. Phys. B <b>619</b> , 3
"Searches at HERA for squarks in R-parity violating supersymmetry" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>20</b> , 639
"Deep-inelastic inclusive e p scattering at low x and a determination of alpha(s)" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>21</b> , 33
"Measurement of neutral and charged current cross sections in electron proton collisions at high Q**2" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>19</b> , 269
"Diffractive jet production in deep-inelastic e+ p collisions at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>20</b> , 29
"Measurement and QCD analysis of jet cross sections in deep-inelastic positron proton collisions at s**(1/2) of 300-GeV" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>19</b> , 289
"Dijet production in charged and neutral current e+ p interactions at high Q**2" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>19</b> , 429
<b>2000</b>	
"A search for excited fermions at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>17</b> , 567
"Inclusive photoproduction of neutral pions in the photon hemisphere at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>18</b> , 293
"Measurement of elastic electroproduction of Phi mesons at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>483</b> , 360
"Elastic photoproduction of J/psi and Upsilon mesons at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>483</b> , 23

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"Measurement of di-jet cross-sections in photoproduction and photon structure" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>483</b> , 36
"Search for compositeness, leptoquarks and large extra dimensions in e q contact interactions at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>479</b> , 358
"Investigation of power corrections to event shape variables measured in deep-inelastic scattering" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>14</b> , 255 Erratum C <b>18</b> , 417 (2000)
"Measurement of neutral and charged current cross-sections in positron proton collisions at large momentum transfer" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>13</b> , 609
"Measurements of transverse energy flow in deep inelastic-scattering at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>12</b> , 595
"Elastic electroproduction of rho mesons at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>13</b> , 371
"Measurement of dijet cross-sections at low $Q^2$ and the extraction of an effective parton density for the virtual photon" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>13</b> , 397
<b>1999</b>	
"Measurement of open beauty production at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>467</b> , 156 Erratum B <b>518</b> , 331 (2001)
"A search for leptoquark bosons and lepton flavor violation in $e^+ p$ collisions at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>11</b> , 447 Erratum C <b>14</b> , 553 (2000)
"Forward $\pi^0$ meson production at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Phys. Lett. B <b>462</b> , 440
"Measurement of $D^*$ meson cross sections at HERA and determination of the gluon density in the proton using NLO QCD" C. Adloff <i>et al.</i> [H1 Collaboration]	Nucl. Phys. B <b>545</b> , 21
"Charmonium production in deep inelastic scattering at HERA" C. Adloff <i>et al.</i> [H1 Collaboration]	Eur. Phys. J. C <b>10</b> , 373

## CONFERENCE PAPERS

"Seamless Access to Multiple Datasets (SAMD) – An ESRC e-Science Demonstrator." K.J. Cole, W.T. Hewitt, M.A.S. Jones, S.M. Pickles, M. Riding, K. Roy, C. Russell, M. Sensier.	EPSRC Workshop on Combining data (2002)
"AliBaBa: A Heterogeneous Grid-Based Job Submission System Used By The BaBar Experiment" M.A.S. Jones, R.J. Barlow, A. Forti, A. McNab.	CHEP 2004
"SHEBANGS: Shibboleth Enabled Bridge to Access the National Grid Service" M.A.S. Jones, S.M. Pickles, A. Nenadic, N. Zhang.	UK e-Science All Hands (2007)
"VOMS deployment in GridPP and NGS" S. Dolgobrodov, A. Forti, M. Jones.	UK e-Science All Hands (2006)
"AliBaBa: Running BaBar jobs on the grid using gsub" M.A.S Jones, Roger J. Barlow, Alessandra Forti.	UK e-Science All Hands (2004)
"Akenti Access to Zetoc" M.A.S. Jones, A. Apps, W.T. Hewitt, R. MacIntyre, A. Sanders, A. Weeks.	UK e-Science All Hands (2003)
"BaBarGrid: eScience for a B Factory experiment" T.J. Adye, R.J. Barlow, T. Barrass, D.J. Colling, A Forti, M.A.S. Jones, J. Martyniak, S. Salih.	UK e-Science All Hands (2003)
"Seamless Access to Multiple Datasets (SAMD): An ESRC e-Science Demonstrator" K.J. Cole, W.T. Hewitt, M.A.S. Jones, S.M. Pickles, M. Riding, K. Roy, C. Russell, M. Sensier.	UK e-Science All Hands (2002)
"The TeraGyroid Experiment." S.M. Pickles, R.J. Blake, B.M. Boghosian, J.M. Brooke, J. Chin, P.E.L. Clarke, P.V. Coveney, N. González-Segredo, R. Haines, J. Harting, M. Harvey, M.A.S. Jones, M. McKeown, R.L. Pinning, A.R. Porter, K. Roy, M. Riding.	Workshop on Case Studies on Grid Applications, GGF10 (2004)

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## STANDARDS DOCUMENTS

"Grid Certificate Profile" Michael Helm, Jens Jensen, Milan Sova, Scott Rea, Reimer Karlsen-Masur, Ursula Epting, Mike Jones. (March 2008)	Open Grid Forum GFD-125
"A Gap Analysis of Current LoA Definitions vs LoA Requirements in eScience/Grid Context" M.A.S. Jones, A. Nenadic	Open Grid Forum Research Group Draft

## INVITED TALKS

Panel member LoA session at the the 3 <sup>rd</sup> International Symposium on Information Assurance and Security (Aug 07)
Lecture on Grid Security at the XtremOS Training day: VO management and experience with Grid systems (Feb 2007)
Panel member at the Federated Identity Management Workshop at the 19 <sup>th</sup> Open Grid Forum (Feb 2007)
Seminar on VOMS for GridPP and the National Grid Service, via Access Grid (Oct 2006)
Presentation on Access, Authentication and Accounting at the eSocial Science All-hands Meeting (Jul 2004)
Talk at the Linking Data: understanding the past and looking into the future (May 2004)
Lecture on Globus Level 2 Grid Security at National Centre for eScience (Apr 2004)

## TEACHING

Globus 2 / Level 2 Grid connection training course	National eScience Centre	Apr 2004 (residential)
Globus 2 / Level 2 Grid connection training course	National eScience Centre	Jan 2004 (residential)
Mechanics & Fluids Problem Class Tutor	The University of Liverpool	Academic year 2000
Orthoptics Laboratory Demonstrator	The University of Liverpool	Academic year 2000
1st & 2nd Year Physics Laboratory Demonstrator	The University of Liverpool	Academic years 1997, 1999
Computational Physics Laboratory Assistant	The University of Manchester	Academic year 1996
Technological Physics Laboratory Assistant	The University of Manchester	Academic year 1996

## MISCELLANEOUS CONFERENCES

IAS07, CHEP04, HPDC11 ,6 UK eScience All-hands Meetings, UK eSocial Science All-hands Meetings, 10 OGF/GGF, 7 GridPP meetings, 4 SuperComputing Conferences (2 via AccessGrid), 2 H1UK Collaboration meetings, 6 IOP HEPP Congresses, DIS2000, UKUUG Spring 2007, various workshops at the NeSC.

## PROFESSIONAL MEMBERSHIPS

The Institute of Physics (IoP)	Associate Member
The Institute of Electrical and Electronic Engineers (IEEE)	Member

## TECHNICAL SKILLS

<b>Programming</b>	C, C++, Fortran 77, Java, Perl, Postscript, Python, Shell Scripting
<b>System Administration</b>	Inferno, IRIX, Linux, MS Windows, Solaris
<b>Grid Middleware</b>	AccessGrid, InSORS, gLite, Globus (preWS, WS), GridSite, SRB, Sun Grid Engine, UNICORE
<b>Authorisation Software</b>	Akenti, Kerberos, OpenCA, PERMIS, Shibboleth, VOMS
<b>Databases</b>	PostgreSQL, MySQL