erence Themes and Goal

formance).increases) as well as physical metrics (such up functionality (i.e. stay in control as comations - where scaling means the ability to tion of scalable computer infrastructure and the role concurrency will play in the future nference is to stimulate discussion and ideas re and hardware granularity. The goal of s will concern concurrency - at all levels of s application. In broad terms, the conference of the key issues in modern computer science unicating Process Architectures addresses

ine that can be used everyday. me for concurrency to mature into a simple hard, then it is not doing it right - discuss! c). If modern computer science finds concurels of granularity (astronomic, human, subf massive numbers of autonomous agents at rld operates through the continuous interacs that this tradition is wrong. The natult topic. The thesis underlying this conferered and experienced as an advanced and aditionally, concurrency has been taught and

erence Structure and Call

s and goals as discussed above. Specific areas e accepted papers address the conference Concurrent Systems Engineering series. gs will be published by IOS Press as part of ogramme Committee. The conference progs. Submitted papers have been refereed by y, with workshops and/or tutorials in the unicating Process Architectures will run of submitted and invited papers during

above); current design patterns and tools (built upon aphores, BSP, barriers, buckets...); ory - getting the underlying model it (CSP, pi-calculus, channels, monitors, e, but are not limited to:

 κ , livelock, process starvation, ...); ty and security issues (race-hazards, dead-

guage issues (JavaTM, CSP libraries for a/C/C++, occamTM, Handel- C^{TM} , ...);

- tions/interrupts, ...) issues (lightweight multithreading lightweight external communica-
- processor issues (instruction sets for zero-cost software cache control, ...) multithreading, VLIW, multiprocessor chips,
- specialised hardware issues (link and router technologies, FPGAs, ...);
- \bullet shared-memory -v- message-passing paradigms (unification?), SMP and virtual SMP architec-
- supercomputing from commodity components (cluster computing, Internet grids, ...);
- applications: scientific (including graphics and mobile and e-commerce) and time and safety-critical), business (including GUIs), engineering (including embedded, real-
- home (including entertainment);
- global architectural issues (vertical integration of all the above);

hardware engineers, tool builders and applications of disciplines - theoreticians, software engineers, The delegates and speakers reflect a wide spectrum thrown up by parallel computing and concurrency proven to be a valuable meeting place for all of WoTUG conferences, which have consistently ten till very late the next morning! friendly and highly productive atmosphere ... of specialists - and we meet in a relaxed, exciting, those interested in the problems and opportunities This conference is the 25th in the series

Registration Fees

time, however, this will include: The registration fee will be announced closer the

- accommodation for the nights of the 15, 16, 17 September 2002;
- all meals, starting with the evening meal on Sunday night, through to Wednesday lunch;
- conference dinner;
- one copy of the conference proceedings

will be issued after the notification of acceptance tion for delegates. Instructions on how to register We are not at the moment accepting registra-

Submission Information and Dates

quired at this stage. However, accepted papers original work in any areas relating to the CPA Submissions are now solicited of papers reporting be submitted by email to: ready deadline. Referees reports will be fed back final (or conditional) acceptance and the camerain that style as there is only a short period between therefore recommended that submissions be made will have to adhere to the CPA 2002 format. It is due diligence). No special formatting style is regramme Committee to referee the submission with sufficient information available to enable the Proplete or near completion (i.e. there should be 2002 conference themes. Papers should be comto all authors of submitted papers. Papers must

cpa2002@wotug.org

attachments or uuencoded gzips. PDF or MS Word Docs and be emailed either as The submissions must be either Postscript,

Camera-ready submission	Notification of acceptance	Tutorial / workshop proposals	Submission of full papers
15 July 2002	24 June 2002	10 June 2002	10 June 2002

Table 1: Important Dates

Conference Chairs

James Pascoe and Roger Loader

Whiteknights Email: cpa2002@wotug.org RG1 5JL Reading The University of Reading Department of Computer Science Tel: +44-118-9875123 ext.

Vaidy Sunderam

Atlanta, GA Department of Math & Computer Science Emory University

Tel: +1-404-727-7580

Student Bursaries

WoTUG is sponsoring a limited number of Student Bursaries, worth 100 sterling. To qualify, you must be registered as a student at a Higher Education institution, not in receipt of a salary and obtain a supporting letter from your academic supervisor. Please fax this to the Conference Chairs before you register - you will be given a reference number to quote on your registration form. The bursaries will be awarded in FIFO scheduling to qualifying applicants until they run out.

Published Proceedings

The Proceedings will be published by IOS Press, Netherlands as part of the Concurrent Systems Engineering Series (ISSN 1383-7575). Style sheets for papers for CPA-2002, including LaTeX and MS Word templates, will be available to authors of accepted papers.

Programme Committee

- Professor Peter Welch, University of Kent at Canterbury, UK. (WoTUG Chair)
 - Dr. Alastair Allen, University of Aberdeen, UK.
- Professor Hamid Arabnia, University of Georgia, Athens, Georgia, USA.
- Professor Andre Bakkers, University of Twente, The Netherlands.
 - Richard Beton, Roke Manor Research Ltd., UK.
- Professor Jan F. Broenink, University of Twente, The Netherlands
- Dr. Alan Chalmers, University of Bristol, UK.
- Professor Peter Clayton, Rhodes University, South Africa.
- Dr. Barry Cook, 4Links Ltd., UK.
- Dr. Janet Edwards, Loughborough University of Technology, UK.
 - Ruth A. Ivimey-Cook, ARM Ltd., Cambridge,
- Christopher Jones, British Aerospace, Warton Aerodrome, UK.
- Professor Jon Kerridge, Napier University, UK.
- Dr. Tom Lake, InterGlossa, UK.
- Dr. Adrian E. Lawrence, Loughborough University IIK

- Dr. Roger J. Loader, The University of Reading, UK.
- \bullet Professor David May FRS, University of Bristol, UK.
- Stephen Maudsley, Esgem Ltd, UK.
- Dr. Majid Mirmehdi, University of Bristol, UK.
 - \bullet Dr. Henk Muller, University of Bristol, UK.
- Professor Chris Nevison, Colgate University, New York, USA.
- Professor Patrick Nixon, University of Strath-clyde, UK.
 - Dr. Brian O'Neill, Nottingham Trent Univer
 - sity, UK.
 James Pascoe, The University of Reading, UK.
 - Dr. Roger Peel, University of Surrey, UK.
- Professor Nan Schaller, Rochester Institute of Technology, New York, USA.
- Professor G. S. Stiles, Utah State University, Utah, USA.
- Professor V. S. Sunderam, Emory University, Atlanta, Georgia, USA.
 - Oyvind Teig, Kongsberg Maritime Ship Systems, Trondheim, (KMSS), Norway.
- tems, 1rondheim, (KMSS), Norway.

 Professor Rod Tosten, Gettysburg University,
- Dr. Stephen J Turner, Nanyang Technological University, Singapore.
 - Professor Paul Tymann, Rochester Institute of Technology, New York, USA.
 - Paul Walker, 4Links Ltd, UK.
- Dr. Hugh Webber, Defence Evaluation Research Agency, Malvern, UK.

WoTUG

Communicating Process Architectures - 2002



Sunday 15th September (evening to Wednesday 18th September (lunchtime)

The University of Reading United Kingdom

http://www.wotug.org



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