

University of St Andrews  
Department of Mathematical and Computational Sciences

Computational Science Division  
Annual Open Lecture Course  
1992

# **General Purpose Parallel Computing**

*Thursday 9th and Friday 10th April 1992*

Speakers:  
Professor John Gurd  
University of Manchester

Professor Arvind  
Massachusetts Institute of Technology

All lectures will be held in Lecture Theatre C in the Department of Mathematical and Computational Sciences, University of St Andrews.

The fee for the course to academic visitors to the University will be £10. This covers the cost of any duplicated material that will be handed out and also morning and afternoon tea or coffee and biscuits. The fee to industrial visitors is £50. The lectures are informal but as we are limited to a total audience of 120, we would ask you to inform us of your intention to attend together with your fee in advance.

No special arrangements are being made for accommodation or meals but a list of hotels and bed and breakfast accommodation can be obtained from the Secretary, Department of Computational Science, North Haugh, St Andrews, Fife KY16 9SS (Tel: 0334 76161 ext 8262; e-mail: [helen@uk.ac.st-and.cs](mailto:helen@uk.ac.st-and.cs)). A map of St Andrews will also be sent on request.

## *Timetable*

April 9th	9.00 - 9.50	Why Most Machines in Use Today are Not Parallel Machines Professor Arvind
	10.00 - 10.40	“Parallel Programming Standards” Professor J. Gurd
	10.40 - 11.00	<i>Coffee</i>
	11.00 - 11.50	Implicit Parallel Programming in Id Professor Arvind
	12.00 - 12.40	Fine-grain Parallelism and Non-deterministic Programs Professor Arvind
	14.00 - 15.00	Evolution of Parallel Architectures I Professor J Gurd
	15.00 - 15.30	<i>Tea</i>
	15.30 - 16.30	Evolution of Parallel Architectures II Professor J. Gurd
April 10th	9.00 - 9.50	“Compilation” and Performance Professor J. Gurd
	10.00 - 10.40	Dataflow or Multithreaded Architectures: *T Professor Arvind
	10.40- 11.00	<i>Coffee</i>
	11.00 - 11.50	Compiling Threaded Code from Id Professor Arvind
	12.00 - 12.40	Applications and Algorithms Professor J. Gurd
	14.00 - 15.00	The Monsoon Project Professor Arvind
	15.00 - 15.30	<i>Tea</i>
	15.30 - 16.30	The Centre for Novel Computing (CNC) Professor J. Gurd

