

# CALL FOR PAPERS

## 8th International Workshop on Formal Methods for Parallel Programming: Theory and Applications (FMPPTA)

<http://www.cs.unh.edu/~charpov/FMPPTA/>

to be held in conjunction with the International Parallel & Distributed Processing Symposium **IPDPS'2003**  
April 22–26, 2003, Nice Acropolis Convention Center, Nice, France

**FMPPTA'2003** will occupy one full day of the 17th International Parallel & Distributed Processing Symposium **IPDPS'2003**. Registration for **IPDPS** is required and includes participation in the workshop. The workshop proceedings will be published by **IEEE CS Press**.

**SCOPE:** Formal methods allow specifications of parallel and distributed programs to be precisely stated and the conformance of an implementation to be verified using mathematical techniques. These methods are especially important in parallel and distributed programming where the inherent non-determinism makes testing ineffective. Formal methods can be used in the development of individual programs and effective tools are becoming available that help to automate the verification task. Foundations for frameworks can be developed that, while requiring no proofs by the programmer, are guaranteed to result in programs with certain properties. These approaches provide significant leverage to a formal analysis. The objective of the workshop is to gather people, from both academia and industry, who use and/or develop formal methods for parallel or distributed programming. The association with IPDPS allows participants to take part in a workshop focused on formal methods as well as interact with researchers in the broader parallel and distributed processing community. Topics of interest include but are not limited to:

- Foundations of frameworks for parallel and distributed computing
- Case studies describing the use of formal methods to solve practical problems
- Mechanized support for reasoning about parallel and distributed programming
- Compositionality
- Refinement
- Interaction between compositionality and refinement

**TOOL DEMOS:** Authors who would like to give a demo of a tool used in their research should notify one of the program committee chairs. We hope to be able to schedule extra time for demos.

**PAPER SUBMISSION:** Authors should submit their original contributions as **PostScript** or **pdf** files electronically to Michel Charpentier ([charpov@cs.unh.edu](mailto:charpov@cs.unh.edu)). Postal address, email, phone and fax numbers of a corresponding author should be included. An early email with your intention to submit a paper would be greatly appreciated. Please contact one of the co-chairs if electronic submission is not possible and/or formats other than **PostScript** or **pdf** are used.

<b>IMPORTANT DATES:</b>	Deadline for submissions:	<b>28 October, 2002</b>
	Notification of acceptance/rejection:	<b>20 December, 2002</b>
	Print ready paper due:	<b>24 January, 2003</b>
	IPDPS'2003:	<b>22–26 April, 2003</b>
	FMPPTA'2003:	<b>one full day during IPDPS</b>

### PROGRAM COMMITTEE:

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