

# ETFA'92

## IEEE International Workshop on Emerging Technologies and Factory Automation

*-Technology for the Intelligent Factory-*

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### ADVANCE PROGRAM



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**Session F3B: Application of Parallel Computing to Manufacturing and Robotic Systems**

**Friday, August 14**

**15:20-17:30**

*A Parallel Algorithm for Asynchronous Hopfiled Neural Networks*

R. Del Balio, G. De Pietro, E. Tarantino and R. Vaccaro (IRSIP, ITALY)

*Exploiting Low Level Parallelism in the Dynamic Control of Manipulators*

S. Zeng and G.K. Egan (Swinburne Inst. of Tech., AUSTRALIA)

*Parallel Implementation of Robot Path Planning*

W. Shang, G. K. Egan (Swinburne Inst. of Tech., AUSTRALIA)

**Session F3C: High-Level Vision**

**Friday, August 14**

**15:20-17:30**

*Orientation Recognition of a Signature Pattern*

Nagarajan Prabhakaran, Prabudh Sharma and Wunnava Subbarao (Florida Inter. Univ., U.S.A.)

*Deduction of High Level Spatial Relations*

Dorota H. Kieronska and Svetha Venkatesh (Curtin Univ., AUSTRALIA)

*A Feature-Based Scheme for Reconstruction 3D Parts from 2D Orthographic Projections*

Chia-Hwa Liu and Zen Chen (National Chiao Tung Univ., TAIWAN)

*The Optimal Geometric Constraint for Trinocular Stereo Systems*

R.N.Chiou, R. L. Hsu, C. H. Chen, J. Y. Lee (National Cheng Kung Univ., TAIWAN) and K. C. Hung (Chung Shan Inst. of Sci. and Tech., TAIWAN)