

# PARALLEL AND DISTRIBUTED COMPUTING

Thursday, April 10, 2003 - Afternoon

Chair: Bill Martin (Tennessee 4)

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CELL BASED RANDOM NUMBER GENERATORS FOR REPRODUCIBLE MONTE CARLO SIMULATIONS

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DESIGN, IMPLEMENTATION AND TESTING OF MERCURY: A PARALLEL MONTE CARLO TRANSPORT CODE

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PARALLELIZATION OF THE PENELOPE MONTE CARLO PARTICLE TRANSPORT SIMULATION PACKAGE

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TESTING AN EXPERT SYSTEM FOR SELECTION OF MESH AND DOMAIN DECOMPOSITION OF PARALLEL SN METHOD

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PARALLEL DISTRIBUTION OF TRACKING FOR 3D NEUTRON TRANSPORT CALCULATION

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IMPLEMENTATION OF MULTITHREADED COMPUTING IN THE MINOS NEUTRONICS FEM SOLVER OF THE CRONOS CODE