

# **DETERMINISTIC TRANSPORT APPLICATIONS & ANALYSIS**

**Wednesday, April 9, 2003 - Afternoon**

**Chairs: Petrovic & Povoschenko (Tennessee 3)**

- [012](#) FUEL ASSEMBLY CALCULATIONS USING THE METHOD OF DISCRETE ORDINATES
- [002](#) SPATIAL DIFFERENCING AND MESH SENSITIVITY IN TWO- AND THREE-DIMENSIONAL DISCRETE ORDINATES CODES
- [071](#) USE OF PARTISN 2.99 ON THE Y-12 NATIONAL SECURITY COMPLEX SGI HIGH-PERFORMANCE COMPUTER (MANHATTAN)
- [010](#) APPROXIMATE SN ALBEDO BOUNDARY CONDITIONS FOR TWO NON-MULTIPLYING REGIONS AROUND THE CORE OF NEUTRON FISSION CHAIN REACTING SYSTEMS
- [021](#) DIFFUSION-LIKE 3-D HETEROGENEOUS CORE CALCULATION WITH 2-D CHARACTERISTICS TRANSPORT CORRECTION BY NON-LINEAR ITERATION TECHNIQUE
- [019](#) ASYMPTOTIC ANALYSIS OF THE SPATIAL WEIGHTS OF THE ARBITRARILY HIGH ORDER TRANSPORT METHOD OF THE CHARACTERISTIC TYPE