

**ANS Material Science and Technology Division
Strategic Plan for 2004**

Tactical Plan for 2004

Top Priorities for 2004

- Develop standard schedule for recurring MSTD sponsored sessions
 - MSTD Program Chair
 - ANS Goals A, B, C
- Develop a new “Research in Progress” session to improve the debate on current hot topics
 - MSTD Program Chair
 - ANS Goals A, B, C, E
- Increase MSTD student membership
 - MSTD University Liaison
 - ANS Goals A, B
- Co-sponsor the 2004 LWR Fuel Performance Conference
 - Dr. Samim Anghaie
 - ANS Goals A, B, C
- Update Division Web site
 - Dr, Travis Knight
 - ANS Goal B

2004 Operational Plans and Activities

- Develop standard schedule for recurring MSTD sponsored sessions-the standard plan will be determined at the November 2003 ANS meeting with execution starting fully in the November 2004 meeting. The plan will be approved by the executive committee and carried out under the guidance of the Program Chair.
- Develop a new “Research in Progress (RIP)” session to improve the debate on current hot topics-define the topic and structure of the first trial RIP at the November 2003 meeting. Advertise and execute the first RIP at the November 2004 meeting. The first RIP will be lead by Dr. Ron Ballinger of MIT under the guidance of the Program Chair.
- Develop a new technology emphasis area for MSTD in “Material Modeling and Simulation”. Two workshops (DOE sponsored) were held in 2003 (one directly after the ANS winter meeting) and joint sessions in future ANS meetings are planned with Mathematics and Computation Division (MCD). MSTD is now a cosponsor of "MC2005 Avignon: International Topical Meeting on Mathematics and Computation, Supercomputing, Reactor Physics and Nuclear and Biological Applications," to be held September 12-15, 2005 in Avignon, France. The meeting will be held in the U.S. in 2007.
- Increase MSTD student membership-university professors in MSTD will encourage student enrollment. The University Liaison will monitor the progress

- The Division will fully fund the Schumar Scholarship endowment. This task will be completed with the profits from the 2003 Environmental Degradation meeting. This task will be monitored by the Secretary-Treasurer.

Succession Plan

Position	2003-2004	2004-2005	2005-2006
Chair	Ken Chidester	Todd Allen	Robert Hanrahan
Vice-Chair	Todd Allen	Robert Hanrahan	
Secretary Treasurer	Robert Hanrahan		
Program Chair	Robert Hanrahan	Robert Hanrahan	
University Liaison	Ron Ballinger		
LWR Fuel Performance			Samim Anghaie(2008)
Environmental Degradation			Todd Allen (2009)

Five-year Plan for 2004-2008

Mission

The Division shall devote itself specifically to the promotion of the development of materials and materials technology for application to all aspects of the production of nuclear energy and related energy sources and to the direct applications of radiation to materials.

Long-term Goals

- Increase the visibility of ANS as a source of technical information for Generation IV nuclear energy system R&D, including material issues for advanced recycle systems. Execute the standard symposium plan to have a minimum of three session per meeting.
- Continue the leadership in providing information on LWR fuel performance through continued sponsorship of the bi-annual LWR Fuel Performance/Top Fuel conference series.
- Continue the leadership in providing information on LWR material degradation through continued sponsorship of the bi-annual Environmental Degradation conference series co-sponsored with NACE and TMS.
- Increase division membership
- Increase student participation in MSTD through recruiting, scholarships, and travel sponsorship.
- Increase the vitality of ANS technical meetings through innovations such as the Research in Progress symposium.
- Encourage publication of ANS journal articles based on appropriate presentations at ANS Topical and National Meetings.

Recommended Changes to ANS Strategic Plan

None