

4th ESA Micro & Nano Technologies Round Table
ESTEC, Noordwijk The Netherlands
20-22 May 2003



WELCOME
&
INTRODUCTION

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4th ESA Round Table on Micro & Nano Technologies for Space Applications Statistics

- 1st Round Table in March 1995
- 2nd Round Table in October 1997
- 3rd Round Table in May 2000

This is the 4th ESA MNT, 20-22 May 2003:

- 102 Abstracts submitted from 19 countries, 63 selected for oral presentations, 16 for poster session, 15 rejected, 8 cancellations (inc. 2 for SARS)
- 3 complete days, 12 sessions including one full session for Nano-Technologies
- ~ 160 registrations

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4th ESA Round Table

MNT for Space Applications: Objectives 1

The objectives of the 4th ESA MNT round Table are:

- Summarize on the **achievements** of the first 3 ESA MNT Round Tables
- Encourage and trigger effective **cooperation** between **industry** (final user) and **universities / research centers** (prototyping & development)
- Discuss on expected **coming missions** (XEUS, JWST, etc...)
- Address **packaging and integration** issues
- Gather additional data & understanding of MST failure mechanisms, **reliability** and lifetime, initiate discussion on **space qualification**
- Discuss on ESA expected Role in the **Nano Technology** domain

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MNT for Space Applications: Objectives 2

The objectives of the 4th ESA MNT round Table are:

- Facilitate **technology transfer** from and to other domains
- Advertise on **ESA initiatives** in support of MNTs (CTB WG, ESA Website, Nexus, Caneus...)
- Promote and support MNTs **flight opportunities**, confirm space as a test bed for MNTs
- Prepare recommendations on required **future investments** and MNT developments: ESA is currently preparing the **2004-2006 TRP-GSTP workplan**, the CTB MST WG will issue its draft MNT strategic dossier in June 2003!!!

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4th ESA Round Table MNT for Space Applications: Conclusion

- ❖ ESA MNT Round Table should first be considered as European MNT players (your) workshop
- ❖ Take this opportunity to exchange ideas, data, services, products
- ❖ Help us to make this event a success:

=> Discuss => agree => **Act**

Don't forget:

- The Round Table Closing session
- The cocktail party at the "Space Expo" @ 18:15

THANK YOU!!

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