



NT16 SUMMARY TALK: PART 1

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NT CONFERENCES: SOME HISTORY

In 1999, a Physicist somewhere in the USA imagined a new kind of conference



David Tomanek



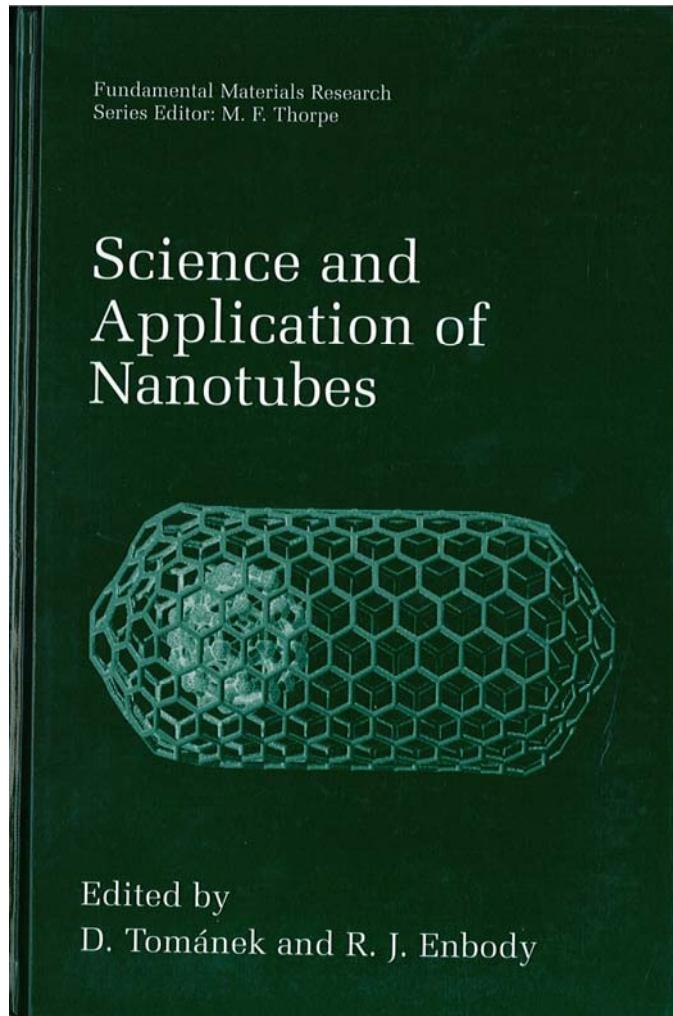
The Campus of the
Michigan State University
in East Lansing in 1999

The NT Conference in 1999 in East Lansing

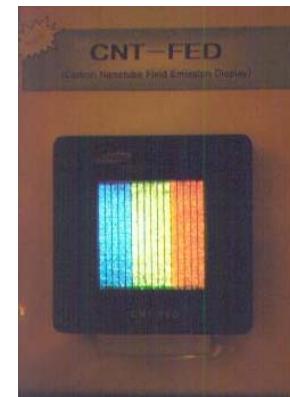


- Focus on Basic Science and cutting-edge Applications of Nanotubes
- Content:
 - a few invited talks selected by an Advisory Board
 - extended focused poster sessions animated and reviewed by 2 moderators
- Format:
 - 4 days
 - 7 posters sessions over 2 full days
 - 120 participants
 - 20 speakers and moderators

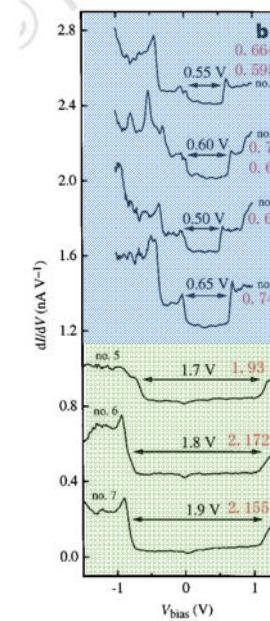
The NT Conference in 1999 in East Lansing



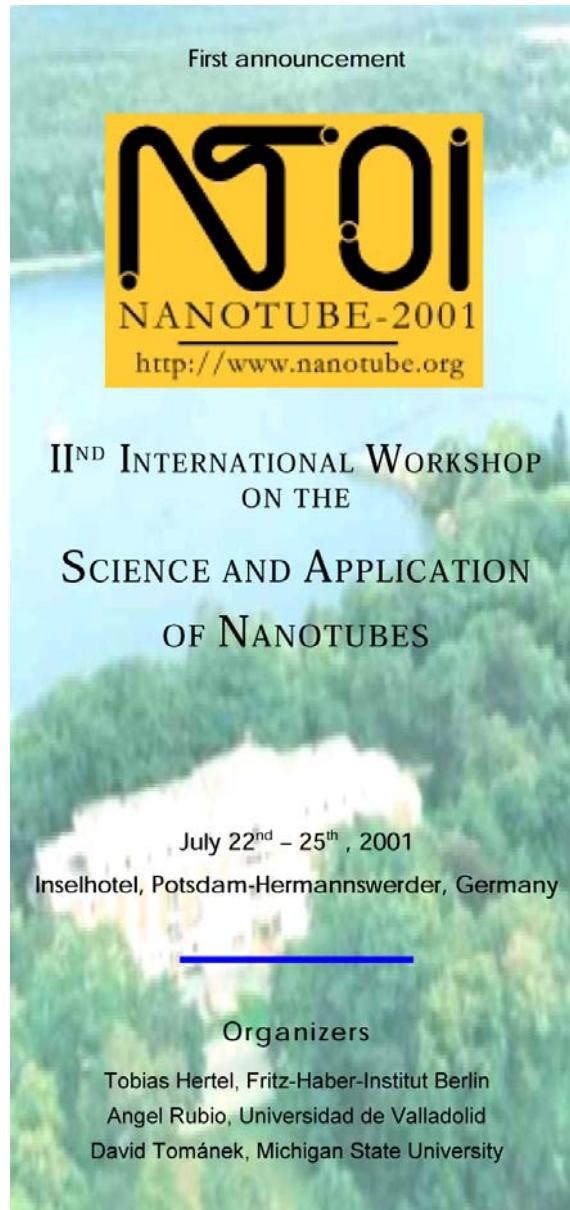
- Edition of a book !
- Some of what we learned:
 - Tubes made by laser and electric arc have random helicities
 - Field emission display with NT
 - Density of states of NT measured in STM
 - First ab initio calculations on the growth
 - NT artificial muscles



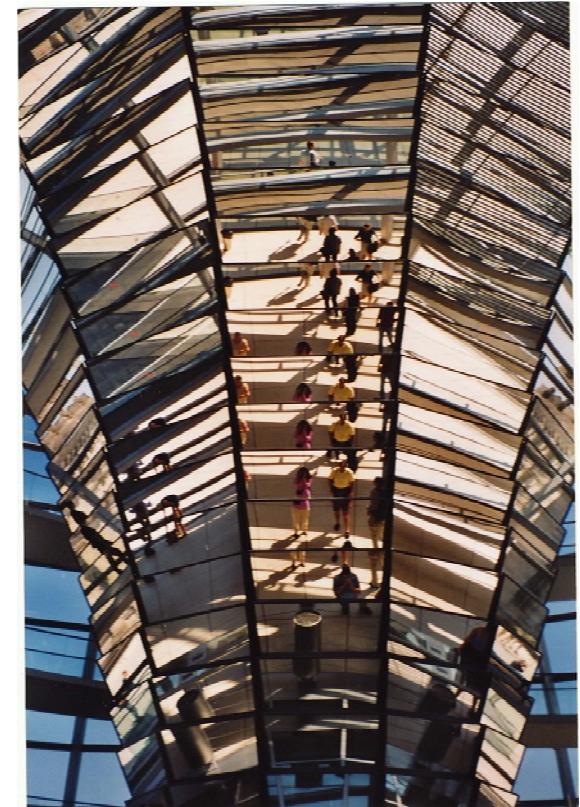
Field emission display



DOS of different C-SWNT



Organized in Potsdam close to Berlin, a town where David was student and that he rediscovered in 2001



The second NT conference in 2001



We learn about

- Nice transport properties
- Coulomb Blockade, Aharonov-Bohm oscillations...
- Single wall Boron Nitride tubes exist
- C-SWNT grow from catalyst particles
- Nanohorns....

- Same format but
- Clip posters by their authors:
'the poster plus presentations'
- From 2001, NT becomes an annual conference

NT: THE annual international rendez-vous on nanotubes

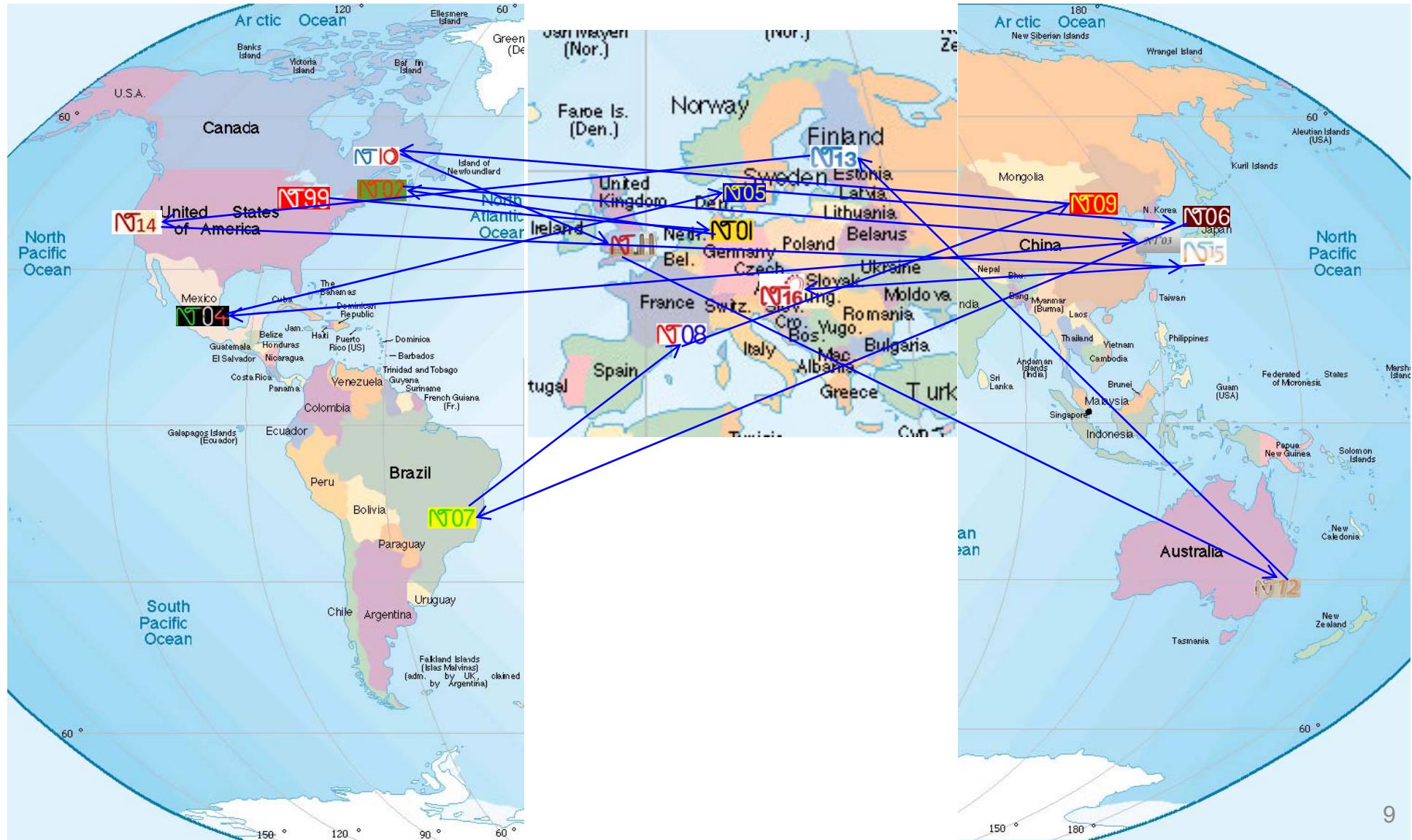


NT travels around the world....



NT travels around the world....

.....along a loop between Americas – Europ – Asia/Australia



1999 – 2009: The period of extension



140 p
in 2001



400p
in 2004



435 p
in 2005



600 p
in 2006



800 p
in 2008



850 p
in 2009