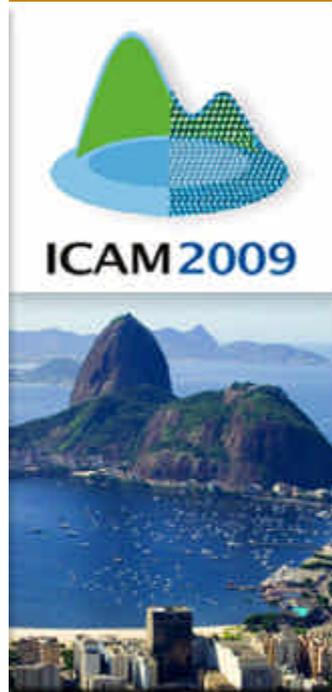




Rio de Janeiro
September 20-25, 2009



[SPI Supplies](#)
Silicon Nitride Membrane
Window Grids



DAY 3 TUESDAY, September 22

The [International Conference on Advanced Materials 2009](#) (ICAM 2009) completed its series of activities in Rio de Janeiro, Brazil, on Tuesday, September 22. The major event included two plenary talks, by Prof. C.N.R. Rao and Prof. Knut Urban, as well as the announcement of the [International Union of Materials Research Societies \(IUMRS\)](#) in the evening. Poster sessions continued into the second day as did the exhibit.

IUMRS SOMIYA AWARD PRESENTATION

The IUMRS Somiya award honors an international research team that has collaborated across at least two continents, with the work being of the highest scientific quality with major impact. It is very appropriate that the 2009 Somiya award was given to a team spanning three continents including South America since this meeting is being held in Brazil. The winning researchers include Mildred Dresselhaus (USA), Ado Jorio (Brazil), Antonio Gomes de Souza Filho (Brazil), Pimenta (Brazil), Morinobu Endo (Japan), Riichiro Saito (Japan), and Mauricio Terrero (Mexico). These researchers collaborated significantly over the past decade in the field of carbon nanotubes and contributed significantly.



[MMR Technologies](#)
Microcryogenic and
Thermal Stage Systems



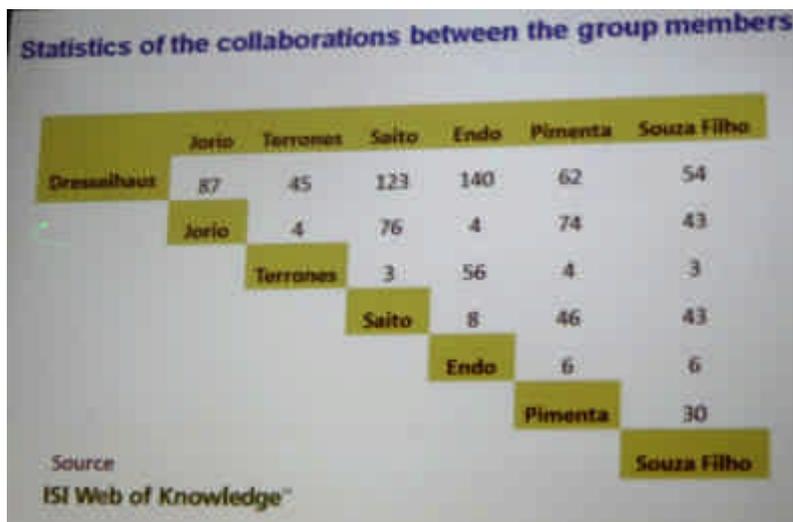
[National Electrostatics Corp.](#)
Ion Beams--
RBS, PIXE, AMS



[Goodfellow](#)
Small quantities ... fast!



Marcos Pimenta then presented a brief overview of the various research activities collaboration, by necessity having to focus only on some aspects due to time limits; started by suggesting that there are numerous collaborators who should also share including Peter Eklund who passed away recently. He presented statistics of the collaboration between members of the team, showing a truly remarkable number of publications. A chronological timeline showed the various major pieces of research as represented by the major publications starting from Raman studies of benzene-derived graphite fibers Dresselhaus and Endo in 1982 to electronic structure of chiral graphene tubules in a resonance Raman study of carbon nanotube bundles in 1998 representing the first E connection in this area. Pimenta presented numerous other studies over the years graduate students and post-docs periodically traveling to Cambridge, Massachusetts; most recent work in this long line of collaborative effort was a recent report in Science on shaping the edges of graphene using Joule heating by Terrones and Dresselhaus. Pimenta concluded by thanking all the funding agencies in four different countries who made collaboration possible over three continents.





Rio!

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