

IAP Conference “The Unity of Science”
Alexandria, 1-3 December 2006

Friday 1 December 2006

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| 14.00 - 17.00 | Registration of Participants (Hotel Helnan Palestine) |
| 18.00 | Opening Ceremony at the Bibliotheca Alexandrina
<i>Opening Addresses</i>
Director, BA, Ismail Serageldin
UNESCO Representative, Gérard de Puymege
TWAS, IAP Host Academy, Mohamed H.A. Hassan
IAP Co-Chairs, Chen Zhu and Yves Quééré
H.E. Hany Helal , Minister of Higher Education and Scientific Research |
| 19.30 – 21.00 | Dinner at the Graeco-Roman Restaurant, BA |

Saturday 2 December 2006

Morning Session

Opening Lecture

Chair: Ralph Cicerone

9.00 – 9.50	Science in Egypt from Imhotep to Zewail	<i>Ismail Serageldin</i>
9.50 – 10.05	Discussion	

Mathematical Sciences

Chair: Edoardo Vesentini

10.05 – 10.55	Mathematics, between Past and Future	<i>Jean-Pierre Kahane</i>
10.55 – 11.10	Discussion	
11.10 – 12.00	Refreshments and Poster Session	
12.00 – 12.45	Providing a Level-playing Field to World Citizens through Innovations in ICT	<i>Ashok Jhunjunvala</i>
12.45 – 13.00	Discussion	
13.00 – 14.15	Lunch at the Graeco-Roman Restaurant (BA)	

Afternoon Session

Physical Sciences

Chair: Yuan Lee

14.15 – 15.05	Physics, Now and in the Future	<i>David Gross</i>
15.05 – 15.20	Discussion	
15.20 – 16.05	Emerging Applications of Intense Lasers in Sciences	<i>Jie Zhang</i>
16.05 – 16.20	Discussion	
16.20 – 17.30	Refreshments and Poster Session	

Chair : Gunnar Öquist

17.30 – 18.15	Uncovering the Universe	<i>Teresa Lago</i>
18.15 – 18.30	Discussion	
19.30 – 20.30	Dinner at the BA	
20.30 – 21.00	<i>After-dinner Talk:</i> The Earth's Polar Regions and the International Polar Year 2007-08	Chair: Norihisa Doi <i>Chris Rapley</i>

Sunday 3 December 2006

Morning Session

Life Sciences

Chair: Lorna Casselton

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| 9.00 – 9.50 | Biology Past and Biology Future:
Where have we been and where are we going? | <i>Bruce Alberts</i> |
| 9.50 – 10.05 | Discussion | |
| 10.05 – 10.50 | New Trends in Microbiology | <i>Hu Zhihong</i> |
| 10.50 – 11.05 | Discussion | |
| 11.05 – 11.40 | Refreshments and Poster Session | |

Earth Sciences

Chair: M. Shamsheer Ali

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| 11.40 – 12.25 | The Shape of the Earth:
From Erastosthenes to the Space Age | <i>Kurt Lambeck</i> |
| 12.25 – 12.40 | Discussion | |
| 12.40 – 14.00 | Lunch at the Graeco-Roman Restaurant (BA) | |

Afternoon Session

Chair: Mohsen Shoukry

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| 14.00 – 14.45 | Earth Simulation on the Earth Simulator | <i>Keiko Takahashi</i> |
| 14.45 – 15.00 | Discussion | |
| 15.00 – 15.45 | Earth Sciences in the Third Millennium:
From Deep Earth to Social Issues | <i>Manuel A. Iturralde-Vinent</i> |
| 15.45 – 16.00 | Discussion | |
| 16.00 – 16.30 | Refreshments | |

Science and Society

Chair: Anthony MBewu

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| 16.30 – 17.15 | Women for Science:
A Leadership Role for Academies | <i>Johanna Sengers, Manju Sharma</i> |
| 17.15 – 17.30 | Discussion | |
| 17.30 – 18.15 | Social Sciences: Truthful or Useful? | <i>Pieter Drenth</i> |
| 18.15 – 18.30 | Discussion | |

In Summary ...

Chair: Goverdhan Mehta

18.30 – 19.15 A Synthesis : Where Does Science go? *Édouard Brézin*

19.15 – 19.30 Discussion

19.30 – 20.30 Dinner at the BA

20.30 – 21.00 *After-dinner Talk:* **Chair: Joseph Malo**
GMO's: a Science-and-Society Issue *Jocelyn Webster*