

WYP ACTIVITY REPORT OF TURKISH PHYSICAL SOCIETY

- Turkish Physical Society (TPS) sent an introductory article about World Year of Physics 2005 to all its members by e-mail. This article can be found on the web page of TPS (www.tps.org.tr/tfd_eng.html).
- TPS requested P.T.T. (government institution overseeing overall communication services) to publish a special stamp dedicated to World Year of Physics 2005.
- **World Year of Physics 2005 – Turkish Physical Society Panel of TURKEY and CERN** was held in September 13, 2005 at 14:00 in Mugla University. The participants were Prof. Dr. Erdal INONU (TUBITAK - Panel Director), Prof. Dr. Baki AKKUS (Istanbul University - President of TPS), Prof. Dr. Nüket YETIS (Deputy President of TUBITAK), *Okay CAKIROGLU (President of TAEK), *Prof Dr. Engin BERMEK (President of TUBA), Prof. Dr. Gülsen ONENGUT (Cukurova University) and Prof. Dr. Omer YAVAS (Ankara University).
- **World Year of Physics 2005, Turkish Physical Society, Panel of Education in TURKEY** was held in September 15, 2005 at 14:00 in Mugla University. The participants were Prof. Dr. Sener OKTIK (Rector of Mugla University - Panel Director), Prof. Dr. Ramazan AYDIN (Rector of 18 Mart University) , Prof. Dr. Nihat BERKER (Istanbul Technical University), Ibrahim BETIL (Former President of TGV), Prof. Dr. Isa ESME (Member of The Council of Higher Education of the Republic of Turkey), Ipek GURKAYNAK and Prof. Dr. Durul OREN (Rector of Yildiz Technical University).
- **World Year of Physics 2005, Turkish Physical Society – Panel about What can be done for Earthquake in TURKEY?** was held in September 14, 2005 at 10:30 in Mugla University. The participants were Prof. Dr. Ahmet Mete ISIKARA (Panel Director – Former Manager of Bogazici University Kandilli Observatory), Prof. Dr. Gülay BARBAROSOGU (Manager of Bogazici University Kandilli Observatory), Prof. Dr. Haluk EYIDOGAN (President of National Earthquake Council), Assoc. Prof. Oguz GUNDOGDU (Istanbul University), Dr. Osman GURUN (President of Mugla Municipality) and Prof. Dr. Isik SAYIN (Ankara University Faculty of Medicine, Manager of Center for Interference to Crisis).
- **World Year of Physics 2005, Turkish Physical Society – Panel about Forthcoming Fotonic Technology** was held in September 16, 2005 at 14:00 in Muğla University. The participants were Prof. Dr. Sadik ESENER (UCSD - Panel Director), Prof. Dr. Atilla AYDINLI (Bilkent University), Prof. Dr. Omer ILDAY (MIT), Prof. Dr. Atac IMAMOGLU (ETHZ), Prof. Dr. Alper KIRAZ (Koc University), Prof. Dr. Refik KORTAN (Warren), Prof. Dr. Cem OZTURK (Sabanci University), Prof. Dr. Alphan SENNAROGLU (Koc University), Prof. Dr. Ali SERPENGUZEL (Koc University) and Prof. Dr. Alexander SHUMOVSKI (Bilkent University).
- **World Year of Physics 2005, Turkish Physical Society, First Photograph Competition of a Physical Nature Event** was organized by Chairman of the Organizing Committee Prof. Dr. Sevgi BAYARI (President of Ankara Branch of TPS). First three runner-ups won prizes and the first 50 projects were exhibited in several universities. First exhibition in World Year of Physics 2005, was **Turkish**

Physical Society Fourth International Physics Student Congress and Festival, which took place between August 31 – September 3, 2005 in the Seferihisar Payamli service area of Dokuz Eylul University. Second exhibition and the prize ceremony in World Year of Physics 2005, was **Turkish Physical Society 23 rd International Physics Congress** which took place between September 13-16, 2005 in Mugla University.

- **World Year of Physics 2005, Turkish Physical Society Fourth International Physics Student Congress and Festival** took place between August 31 – September 3, 2005 in Dokuz Eylul University under the supervision of Chairman of the Organizing Committee Prof. Dr. Mustafa EROL (President of Izmir Branch of TPS).
- **World Year of Physics 2005, Turkish Physical Society 23 rd International Physics Congress** (<http://fizik.mu.edu.tr/tfd2005e.htm>) took place between September 13-16, 2005 in Mugla University under supervision of Physicist Rector of Mugla University Prof. Dr. Sener OKTIK. Scientific Committee Director was Prof. Dr. Mehmet ERBUDAK and the Chairman of the Organizing Committee was Ass. Prof. Tayfun BUKE. Winner of Nobel Physics Prize in 1986 **PROF. DR. HEINRICHROHRER**, students, physicists, researchers and professors from various universities of TURKEY and abroad also attended the event.
- **World Year of Physics 2005, Turkish Physical Society First National Summer School of Particle Accelerators** was organized in Ankara University between July 4-9, 2005 and was supervised by the Chairman of the Organizing Committee Prof. Dr. Omer YAVAS.
- **World Year of Physics 2005, Turkish Physical Society, Dense Matter Physics Conference** took place in Yildiz Technical University and supervised by Chairman of the Organizing Committee Res. Ass. Süreyya AYDIN.
- Dedicated to the World Year of Physics 2005, **a brochure**, which contains the picture and the autobiography of the physicists we have lost, was published
- "Research School on Cosmology" was organized and the event took place at TUBITAK & BU Feza Gursev Institute, Istanbul, Turkey between June 6 - July 6, 2005. The year 2005 marks the centennial celebration of Einstein's "Miraculous Year" in which he wrote three legendary articles describing revolutionary new insights into physics that have formed the basis of our modern understanding of the Universe. The Research School was organized in conjunction with the United Nations endorsed international celebration of physics. It aimed at providing an occasion to educate graduate students and young researchers on the latest developments in theoretical and observational cosmology.

Lecturers:

S. Carroll (Univ. of Chicago, USA)
R. Gregory (Univ. of Durham, UK)
M. Hindmarsh (Univ. of Sussex, UK)

J. Lidsey (QMUL, London, UK)
K. Maeda (Waseda Univ., JAPAN)
V. Mukhanov (Munich Univ., GERMANY)
S. Odintsov (ICREA/IEEC, SPAIN)
K. Olive (Univ. of Minnesota, USA)
M. Perry (Univ. of Cambridge, UK)
J. Silk (Univ. of Oxford, UK)

Topics Covered:

Structure and Evolution of the Universe
CMB and Cosmological Parameters
Cosmological Solutions and Conundrums
Inflation Models and Cosmological Fluctuations
Baryogenesis and Leptogenesis
Dark Matter, Dark Energy, the Accelerating Universe
Extra Dimensions and Braneworlds
Superstring / Brane / Loop Quantum Cosmology

- TUSIAD (Turkish Industrialists' and Businessmen's Association) and Turkiye Bilim Merkezleri Vakfi (Turkey Science Centers Foundation) organized a seminar on "Science and Technology" on 6th of June, 2005 in Istanbul. The purpose of the seminar was to highlight the importance of physics in science and technology and to raise the public awareness on World Year of Physics 2005.