

Professor Nebojsa Nakicenovic

“Climate change has become a major planetary concern and a top priority for many decision makers around the world. The Congress on Climate Change: Global Risks, Challenges and Decisions, to be held on 10 -12 March 2009 in Copenhagen will provide major scientific and policy input for negotiators at COP15 on how to move forward to broach a global agreement on reducing emissions. In its Fourth Assessment Report, the IPCC concludes that greenhouse gas emissions need to be cut by some 80 percent (compared to current levels) by 2050 to stabilize a global temperature increase of about two degrees Celsius compared to pre-industrial levels. This target has been taken on board and is the declared goal of many governments, regional authorities and companies. However, achieving such emissions reductions poses major challenges that will require the development and deployment inter alia of completely new energy systems, land-use patterns and life styles. The Copenhagen Congress will provide a unique platform to gain a better understanding of what measures and policies would be required to meet these ambitious goals.” – Professor Nebojsa Nakicenovic

CV

Nebojsa Nakicenovic is Professor of Energy Economics at the Vienna University of Technology, Acting Deputy Director of the International Institute for Applied Systems Analysis (IIASA) and Director of the Global Energy Assessment (GEA).

He is also an Associate Editor of the *International Journal on Technological Forecasting and Social Change*, Editor of *International Journal on Climate Policy*, Member of Editorial Board of the *International Journal of Energy Sector Management*, a Coordinating Lead Author of the Intergovernmental Panel of Climate Change (IPCC), Fourth Assessment Report, and Coordinating Lead Author of the Millennium Ecosystem Assessment.

Prof. Nakicenovic was Director, Global Energy Perspectives, World Energy Council, 1993 to 1998, Convening Lead Author of the Second Assessment Report of the Intergovernmental Panel on Climate Change, 1993 to 1995, Convening Lead Author of the IPCC Special Report on Emissions Scenarios, 1997 to 2000, Lead Author of Third Assessment Report of the IPCC, 1999 to 2001, Convening Lead Author of the World Energy Assessment: Energy and the Challenge of Sustainability, 1999 to 2000, and Guest Professor at the Technical University of Graz, 1993-2003.

He joined IIASA in 1973 to work in the Energy Systems Program on long-term, global energy prospects; from 1984 he worked in the Science and Technology Program on the restructuring of the global automotive industry; from 1986 on the dynamics of technological and social change in the Technology, Economy and Society Program as Program Leader and as Leader of the Environmentally Compatible Energy Strategies Project from 1991 to 2000.

Prof. Nakicenovic holds bachelor's and master's degrees in economics and computer science from Princeton University, New Jersey, USA and the University of Vienna, where he also completed his Ph.D. He also holds Honoris Causa Ph.D. degree in engineering from the Russian Academy of Sciences.

Among Prof. Nakicenovic's research interests are the long-term patterns of technological change, economic development and response to climate change and, in particular, the evolution of energy,

mobility, information and communication technologies. Currently, his research focuses on the diffusion of new technologies and their interactions with the society and the environment. He is author and coauthor of many scientific papers and books on the dynamics of technological and social change, economic restructuring and development, mitigation of anthropogenic impacts on the environment and on response strategies to global change.

Additional information can be found in Marquis *Who's Who in Science and Engineering* and *Who's Who in the World*. *Curriculum vitae*, list of publications is available on the following web site:

<http://www.iiasa.ac.at/Research/TNT/WEB/People/Staff/naki-tnt.pdf>