

PROGRAMME

19 September 2002

10:00-10:05 Opening Address Prof. Shunsuke Mori, Tokyo University of Science

10:05-10:15 Welcome Address Prof. Hamid Zakri, Director, UNU/IAS

10:15-12:00 **Session 1:** Overviews of IT penetration and its impacts

Presenter	Affiliation	Title
Tadahiro Mitsuhashi	Chiba University	Will information technology help the environment?
Yasuhiro Murota	Shonan Econometrics	Effects of the IT revolution on economy and environment: the 2010 Simulation
Ichiro Yamada	University of Tokyo	Prospects for the effects of information technology on the environment

13:30-15:15 **Session 2:** Macro-analysis of effects of IT on environment and economy

Presenter	Affiliation	Title
Kanji Yoshioka	Keio University	Input-output analysis of effects of IT on CO ₂ emissions
Shunsuke Mori	Tokyo Univ. of Science	Dynamic effects of IT on economic structure and energy use
Robert U. Ayres	INSEAD and UNU	The role of IT and physical work in economic growth and energy use

15:35-17:55 **Session 3:** Environmental impacts of production and use of IT hardware

Presenter	Affiliation	Title
Daniel Sui	Texas A&M University	Environmental impacts of e-commerce: the case of computer software sales
Shouji Tanaka	Superconductor Institute	Energy consumption of Japan's IT infrastructure and the role of superconductor technology
Scott Matthews	Carnegie Mellon University	Case studies in lifecycle energy use of IT hardware
Tsuyoshi Koga	Fujitsu	IT as enabler of ecodesign targets

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10:00-11:45 **Session 4:** IT business models and the environment

Presenter	Affiliation	Title
Arpad Horvath	University of California, Berkeley	Environmental impacts of telecommuting
Eric Williams	United Nations University	Energy efficiency and e-commerce
Masayo Fujimoto	IRRIC	Industrial activities in Japan

13:00-14:45 **Session 5:** IT, environment, and zero emissions – activities in industry

Presenter	Affiliation	Title
Katsuhiko Honjo	NTT	IT and environmental monitoring
Kenichi Imai	IGES	ICT-facilitated waste exchanges
Michelle Blazek	AT&T	AT&T's R&D efforts on environmental impacts of IT

15:00 - 17:25 **Panel Discussion**

15:00-15:10 Introduction of panellists

15:10-16:25 Presentations

15 min. Shunsuke Mori (Tokyo University of Science)

15 min. Ryosuke Ugo (NEC)

15 min. Yuuji Noritaki (Ricoh)

15 min. Hiroyuki Tada (Sony)

15 min. Arpad Horvath (University of California, Berkeley)

16:25-17:25 Discussion

17:25-17:30 Closing Remarks