COE-INES International Symposium, INES-1 Schedule of the Sessions

	Sunday, 31st October	Monday, 1st November	Tuesday, 2nd November	Wednesday, 3rd November	Thursday, 4th November
07:30		Chairpersons' meeting	Chairpersons' meeting	Chairpersons' meeting	Chairpersons' meeting
08:00		Reception			
08:30			Reception	Reception	Reception
08:40					
09:00		**Opening Session / Plenary Session 1**	Parallel Session **3A1**: Innovative Reactor Concept 2 **3B1**: Innovative Partitioning and Separation 1 (micro/nano technologies)	Parallel Session **4A1**: Innovative Reactor Concept 4 **4B1**: Heat Transfer/ Materials (Pb-Bi)	Parallel Session **5A1**: Innovative Reactor Concept 5 (Transmutation 2) **5B1**: Non-Proliferation
10:20			Coffee Break	Coffee Break	Coffee Break
10:40			Parallel Session **3A2**: Innovative Reactor Concept 2 **3B2**: Innovative Partitioning and Separation 1 (micro/nano technologies)	Parallel Session **4A2**: Innovative Reactor Concept 4 **4B2**: Heat Transfer/ Materials (Po, Pb-Bi, GCR)	**Plenary Session 2 / Closing Session**
12:10		Group Photo	Lunch		
12:20		Lunch		Lunch	
13:00					
13:30		Parallel Session **2A1**: Innovative Reactor Concept 1 **2B1**: Innovative Energy Transmutation	Parallel Session **3A3**: Innovative Reactor Concept 3 **3B3**: Innovative Partitioning and Separation 2	Students' Session/ Panel Discussion **4A3**	INES-1 Advisory Review Meeting (Hikari)
14:50					
15:00	Reception (up to 19:00)	Coffee Break	Coffee Break		
15:10					
15:20		Parallel Session **2A2**: Innovative Reactor Concept 1 **2B2**: Innovative Energy Transmutation	Parallel Session **3A4**: Innovative Reactor Concept 3 (Transmutation 1) **3B4**: Innovative Partitioning and Separation 2	Coffee Break	
15:30					
15:45				Poster Session **PB1**	
17:00	Welcome Reception (Aozora)			Removal of Posters	
17:30					
18:00				Banquet	
18:30					
19:00					
20:30					
21:00					

COE-INES International Symposium, INES-1 Chairperson's List

	Monday, 1st November	Tuesday, 2nd November	Wednesday, 3rd November	Thursday, 4th November
08:00	Reception			
08:30		Reception	Reception	Reception
08:40	Opening Session / Plenary Session 1 T. Yano(Tokyo Tech), S. Anghaie (U. Florida)			
09:00		3A1: Innovative Reactor Concept 2 I. Kinoshita (CRIEPI), A. V. Gulevich (IPPE) 3B1: Innovative Partitioning and Separation 1 H. Tomiyasu (Shinshu U.), M. Ozawa (JNC)	4A1: Innovative Reactor Concept 4 K. Matsui(IAE), C. Forsberg (ORNL) 4B1: Heat Transfer /Materials T. Obara (Tokyo Tech), E. Loewen (INEEL)	5A1: Innovative Reactor Concept 5 (Transmutation 2) V. Artisyuk (Obninsk U.), T. Sasa (JAERI) 5B1: Non-Proliferation M. Saito (Tokyo Tech), L. Ponomarev (Kurchatov)
10:20		Coffee Break	Coffee Break	Coffee Break
10:40		3A2: Innovative Reactor Concept 2 N. Nakae (JNC), K. Y. Suh (SNU) 3B2: Innovative Partitioning and Separation 1 K.L. Nash (WSU), Z. Yoshida (JAERI)	4A2: Innovative Reactor Concept 4 T. Takizuka (JAERI), Xu Yuanhui (Tsinghua U.) 4B2: Heat Transfer /Materials M. Takahashi (Tokyo Tech), N. Li (LANL)	Plenary Session 2 / Closing Session H. Sekimoto (Tokyo Tech), M. Kazimi (MIT)
12:10				
12:20	Group Photo	Lunch		
	Lunch		Lunch	
13:00				
13:30	2A1: Innovative Reactor Concept 1 H. Ninokata (Tokyo Tech), P. Hejzlar (MIT) 2B1: Innovative Energy Transmutation R. B. Duffey (AECL), Y. Kato (Tokyo Tech)	3A3: Innovative Reactor Concept 3 K. Hibi (MHI), V. Kuznetsov (IAEA) 3B3: Innovative Partitioning and Separation 2 B. Raj (Indira Gandhi Center for Atomic Research), K. Suzuki (IRI)	Students' Session/ Panel Discussion 4A3 Chair: Ismail (Tokyo Tech) M. Kazimi (MIT), N. Li (LANL), G. Kashino (Nagasaki U.) H. Murakawa (Tokyo Tech), H. Sagara (Tokyo Tech)	INES-1 Advisory Group Meeting (Hikari)
14:50				
15:00	Coffee Break			
15:10		Coffee Break		
15:20	2A2: Innovative Reactor Concept 1 T. Obara (Tokyo Tech), S. Zaki (BIT)			
15:30		3A4: Innovative Reactor Concept 3 (Transmutation 1) M. Hron (Czech), E. Kryuchkov (MEPhI) 3B4: Innovative Partitioning and Separation 2 Y. Fujii (Tokyo Tech), H. Akatsuka (Tokyo Tech)		
15:45	2B2: Innovative Energy Transmutation K. Verfondern (Research Center Jülich), Y. Izumizaki, (Shinshu U.) C. Forsberg (ORNL), H. Karasawa (Hitachi)		Coffee Break	
			Poster Session PB1	
17:30				
18:00			Removal of Posters	
18:30				
19:00			Banquet	
20:30				
21:00				

COE-INES International Symposium, INES-1 Schedule of the Sessions

(Monday 1st November 2004)

	A (Akebono)	B (Aozora)
08:40	Opening Session / Plenary Session 1 8:40-8:50 Opening Address Hiroshi Sekimoto (Tokyo Tech) 8:50-9:00 Greetings Masao Takuma (AESJ) 9:00-9:10 Greetings Masuo Aizawa (Tokyo Tech) 9:10-9:40 #92 The 21st Century COE Program "Innovative Nuclear Energy Systems for Sustainable Development of the World" COE-INES, Hiroshi Sekimoto (Tokyo Tech.) 9:40-10:10 (invited) #58 Nuclear power for sustainable development and relevant IAEA activities for the future, Akira Omoto (IAEA) 10:10-10:40 (invited) #115 Innovation in the United States Department of Energy Advanced Nuclear Research Programs, C. Savage (DOE) 10:40-11:10 (invited) #89 For the 21st Century: Enhanced Nuclear Energy Economy and Safety, Mujid S. Kazimi (MIT) 11:10-11:40 (invited) #94 CEA R&D Strategy on 4th Generation Nuclear Systems for a Sustainable Energy Development, Frank Carre (CEA) 11:40-12:10 (invited) #105 OECD/NEA Activities Relating to Innovative Nuclear Energy Systems Gail H. Marcus (OECD/NEA)	
12:10	Group Photo	
12:20	Lunch	
13:30		

COE-INES International Symposium, INES-1 Schedule of the Sessions

(Monday 1st November 2004)

	A (Akebono)	B (Aozora)
13:30	2A1: Innovative Reactor Concept 1 (System Concept) 13:30-14:10 (invited) #34 New IAEA's Activities for Small and Medium Sized Reactors (SMRs), Vladimir Kuznetsov (IAEA) 14:10-14:50 (invited) #14 Optimum Utilization of Nuclear Fuel with Gas and Vapor Core Reactors, Samim Anghaie (Univ. Florida)	2B1: Innovative Energy Transmutation 13:30- 14:10 (invited) #56 Past and Present Research in Europe on the Production of Nuclear Hydrogen with HTGR, Karl Verfondern (Research Center Jülich) 14:10-14:50 (invited) #72 Futures for Hydrogen Produced Using Nuclear Energy, Charles W. Forsberg (ORNL)
14:50	Coffee Break	
15:10	2A2: Innovative Reactor Concept 1 (System Concept) 15:10-15:30 #37 Development of Medium and Small Sized Reactors: DMS, K. Tominaga (Hitachi) 15:30-15:50 #48 Development of the Package Reactor (1), K. Hibi (MHI) 15:50-16:10 #49 Development of the Package Reactor (2)-Core Characteristics-, T. Hino (Hitach) 16:10-16:30 #18 Core Performance of New Concept Passive-Safety Reactor "KAMADO" -Safety, Burn-up and Uranium Resources Problem-, T. Matsumura (CRIEPI) 16:30-17:10 #93 Application of CANDLE Burnup Strategy for the Future Nuclear Energy Utilization, H. Sekimoto (Tokyo Tech) 17:10-17:30 #1 The Feasibility Study on Perfect Burning Reactor System (PBRS), N. Nakae (JNC) 17:30-18:10 (invited) #22 Cascade subcritical molten salt reactor (CSMSR), A. M. Kalugin (Kurchatov)	2B2: Innovative Energy Transmutation 15:10-15:50 (invited) #84 R&D on Nuclear Hydrogen Production Using HTGR at JAERI, K. Onuki (JAERI) 15:50-16:10 #51 Carbon Dioxide Zero-Emission Hydrogen System based on Nuclear Power, Y. Kato (Tokyo Tech) 16:10-16:30 #35 Cost Evaluation for Centralized Hydrogen Production, H. Karasawa (Hitachi) 16:30-16:50 #43 Synergistic Hydrogen Production by Nuclear-Heated Steam Reforming of Fossil Fuels, M. Hori (Nuclear System Association) 16:50-17:10 #57 Particular Safety Aspects of the Combined HTTR/Steam Reforming Complex for Nuclear Hydrogen Production, K. Verfondern (Research Center Jülich) 17:10-17:30 #9 Sustainable Futures Using Nuclear Energy, R. B. Duffey (AECL) 17:30-17:50 #27 Hydrogen Production from Supercritical Water - Mechanism of Catalytic Reactions of Biomass by Ruthenium(IV) Oxide -, Y. Izumizaki, (Shinshu U.)
19:00		

COE-INES International Symposium, INES-1 Schedule of the Sessions

(Tuesday 2nd November 2004)

	A (Akebono)	B (Aozora)
09:00	3A1: Innovative Reactor Concept 2 (Pb and Pb-Bi Cooled Reactors) 9:00-9:40 (invited) #135 The Closed On-Site Fuel Cycle of the Brest Reactors, A. G. Glazov (FSUE RDIPE) 9:40-10:20 #59 Pb-Bi Cooled Direct Contact Boiling Water Small Reactor, M. Takahashi (Tokyo Tech)	3B1: Innovative Partitioning and Separation 1 (Application of micro/nano technologies) 9:00-9:40 (invited) #82 Micro Chemical Processes on Chip, T. Kitamori (U. of Tokyo) 9:40-10:00 #33 Continuous Flow Chemical Processing on a Microchip Using Microunit Operations and a Microphase Flow Network, M. Tokeshi (Kanagawa Academy of Sci. and Technol.) 10:00-10:20 #36 Physicochemical Study on Fluids Confined in Nanochannels, T. Tsukahara (U. of Tokyo)
10:20 10:40	Coffee Break	
	3A2: Innovative Reactor Concept 2 (Pb and Pb-Bi Cooled Reactors) 10:40-11:20 (invited) #54 Power Flatenning Options for the ENHS Core, S. Hong (UCB) 11:20-11:40 #21 Design Study of Pb-Bi- and NaK-Cooled Small Deep Sea Fast Reactor, A. Otsubo (Tokyo Tech) 11:40-12:00 #90 The Prospect of MOX Fuel Based Pb-Bi cooled Small Fast reactors, Zaki Su'ud (Bandung Institute of Technol.)	3B2: Innovative Partitioning and Separation 1 (Application of micro/nano technologies) 10:40-11:00 #45 Development of the Innovative Nuclide Separation System for High-level Radioactive Waste Using Microchip - Extraction behavior of Metal Ions from Aqueous Phase to Organic Phase in Microchannel -, H. Hotokezaka (Tokyo Tech) 11:00-11:20 #53 An Extreme Disposition Method for Low-level Radioactive Wastes Using Supercrtical Water(3), W. Sugiyama (Chubu Electric Power Co.) 11:20-11:40 #10 A Novel Chlomatographic Separation Technique Using Tertiary Pyridine resin for the Partitioning of Trivalent Actinides form Lanthanides, A. Ikeda (Tokyo Tech) 11:40-12:00 #12 Separation of Rare Metal Fission Products in Radioactive Wastes in New Directions of their Utilization, M. Ozawa (JNC)
12:00 13:30	Lunch	

COE-INES International Symposium, INES-1 Schedule of the Sessions

(Tuesday 2nd November 2004)

	A (Akebono)	B (Aozora)
13:30	3A3: Innovative Reactor Concept 3 (Liquid Metal Cooled Reactors) 13:30-13:50 #23 Sodium Cooled Small Fast Long-Life Reactor "4S", N. Ueda (CRIEPI) 13:50-14:10 #11 Core Concept of Compound Process Fuel Cycle, T. Ikegami (JNC) 14:10-14:30 #64 System Analysis of Pb-Bi Cooled Fast Reactor PEACER, K. Y. Suh (SNU) 14:30-14:50 #24 A 3D Virtual Realization of a Nuclear Transmutation Reactor-Peacer, H. W. Lee (SNU)	3B3: Innovative Partitioning and Separation 2 13:30-14:10 (invited) #104 21st Century Approaches to Actinide Partitioning, K. L. Nash (WSU) 14:10-14:50 (invited) #99 Recent Research and Development on Innovative Separation Technology Conducted by Japan Atomic Energy Research Institute (JAERI), Z. Yoshida (IAERI) 14:50-15:05 #83 Research and Development for Innovative Partitioning System in COE, Y. Ikeda (Tokyo Tech)
15:00	Coffee Break	
15:20	3A4: Innovative Reactor Concept 3 (Transmutation 1) 15:20-16:00 (invited) #96 Current Status of the Feasibility Study on Commercialized Fast Reactor Cycle Systems and Reactor Core Performance on the Promising Fast Reactors, S. Kotake (JNC) 16:00-16:40 (invited) #97 Research Activities for Accelerator-driven Transmutation System at JAERI, T. Sasa (JAERI) 16:40-17:20 #98 Multi-Component Self-Consistent Nuclear Energy System -For Peace and Sustainable Prosperity-, M. Saito (Tokyo Tech) 17:20-18:00 (invited) #95 Challenge of Transmutation of Long-lived Nuclides, V. Artisyuk (Obninsk State Technical U. for Nuclear Power Engineering)	3B4: Innovative Partitioning and Separation 2 15:20-15:40 #29 FLUOREX reprocessing system for the thermal reactors cycle and future thermal/fast reactors (coexistence) cycle , A. Sasahira (Hitachi Ltd.) 15:40-16:00 #13 Studies of Laser Induced Cesium and Rubidium Hydride Formation in Vapor Cells and their Application for Isotope Separation, V. Chaltykyan (Institute for Physical Research, National Academy of Sciences) 16:00-16:20 #41 Seperation of Actinides from HLW by Thiacalix[4]arene Compound Impregnated Silica Ion-exchanger, T. Kikuchi (Institute of Research and Innovation) 16:20-16:40 #30 Development of a Simple Reprocessing Process Using Selective Precipitant for Uranyl Ions (-Fundamental studeis for evaluating the precipitant performance -), N. Koshino (Tokyo Tech) 16:40-17:00 #31 Development of a Simple Reprocessing Process Using Selective Precipitant for Uranyl Ions (-Engineering studies on systems for precipitating and seperating -), K. Yamazaki (Mitsubishi Materials Co.) 17:00-17:40 #88 (invited) A Perspective on Fast Reactor Fuel Cycle in India, B. Raj (Indira Gandhi Center for Atomic Research)
18:00		

COE-INES International Symposium, INES-1 Schedule of the Sessions

(Wednesday 3rd November 2004)

	A (Akebono)	B (Aozora)
09:00	4A1: Innovative Reactor Concept 4 (Gas Cooled Reactors) 9:00-9:40 #87 Reactor Technology Development under the HTTR project, T. Takizuka (Tokyo Tech) 9:40-10:20 (invited) #78The High Temperature Reactor Development in China, Xu Yuanhui (Tsinghua U.)	4B1: Heat Transfer/Materials (Pb-Bi) 9:00-9:20 #60 Study on Pb-Bi Natural Circulation Phenomena, H. Sofue (Tokyo Tech) 9:20-9:40 #109 Study on Pb-Bi-Water Direct Contact Two-Phase Flow and Heat Transfer, Novitrian (Tokyo Tech) 9:40-10:00 #46 Candidate Materials and Coolant Technology for Lead-Alloy Cooled Nuclear Systems-Metallic Alloys, Ceramics and Composites, N. Li (LANL) 10:00-10:20 #19 Corrosion Studies in Support of Lead-Bismuth Cooled FBRs, E. P. Loewen (INEEL)
10:20 10:40	Coffee Break	
	4A2: Innovative Reactor Concept 4 (Gas Cooled Reactors) 10:40-11:20 #65 (invited) Gas Cooled Fast Reactor for Generation IV Service, P. Hejzlar (MIT) 11:20-12:00 #66 Super Critical Carbon Dioxide Gas Turbine FBRs, Yasuyoshi Kato (Tokyo Tech) 12:00-12:20 #4 Simulation Study on CANDLE Burnup Applied to Block-type High Temperature Gas Cooled Reactor, Y. Ohoka (Tokyo Tech)	4B2: Heat Transfer/Materials (Po/Pb-Bi/GCR) 10:40-11:00 #17 Polonium Measure in Lead-Bismuth Eutectic Coolant, T. Obara (Tokyo Tech) 11:00-11:20 #20 Investigation of Polonium Removal Systems for Lead-Bismuth Cooled FBRs, E. P. Loewen (INEEL) 11:20-11:40 #101 Experimental Studies on Steel Corrosion in Pb-Bi with Steam Injection, K. Hata (NDC) 11:40-12:00 #102 Water and Hydrogen in Heavy Liquid Metal Coolant Technology, A. V. Gulevich (IPPE) 12:00-12:20 #103 Thermal-Hydraulic Performance of Printed Circuit Heat Exchanger in Supercritical CO_2 Cycle, K. Nikitin (Tokyo Tech)
12:20 13:30	Lunch	Setting of Poster Panels

COE-INES International Symposium, INES-1 Schedule of the Sessions

(Wednesday 3rd November 2004)

	A (Akebono)	B (Aozora)
13:30	4A3: Students' Session / Panel Discussion	Setting of Poster Panels (cont.)
14:00	Chair: Ismail (COE-Dr. RA, Tokyo Tech) M. S. Kazimi (MIT) N. Li (LANL) G. Kashino (Nagasaki U.) H. Murakawa (COE-Dr.RA, Tokyo Tech) H. Sagara (COE-Dr.RA, Tokyo Tech)	Preparation of Posters by Authors
15:30	Coffee Break	
15:45		Poster Session, PB1
17:30		Removal of Posters by Authors
18:30	Banquet	Removal of Poster Panels
20:30		

COE-INES International Symposium, INES-1 Schedule of the Sessions

(Thursday 4th November 2004)

	A (Akebono)	B (Aozora)
09:00	5A1: Innovative Reactor Concept 5 (Transmutation 2) 9:00-9:20 #86 Study on Spallation Yields Predictions in a ADS Target System, H. Kobayashi (Tokyo Tech) 9:20-9:40 #6 Nuclear Waste Burner for Minor Actinides Elimination, A. V. Gulevich (IPPE) 9:40-10:00 #8 Project SPHINX-SPent Hot fuel Incinerator by Neutron fluX, M. Hron, Nuclear Research Institute Rez plc (Czech) 10:00-10:20 #107 Fusion-Driven Transmutation for Selected Long-Lived Fission Products, A. Takibayev (Tokyo Tech)	5B1: Non-Proliferation 9:00-9:20 #32 Denaturation of Plutonium by Transmutation of Minor Actinides, H. Sagara (Tokyo Tech) 9:20-9:40 #42 An Analysis of Nuclear Proliferation Resistance: Country Specifics, J. Kang (SNU) 9:40-10:00 #85 Proliferation Resistance - Issues from Technological and Institutional Viewpoints -, T. Sawada (Tokyo Tech) 10:00-10:20 #40 Radiation Protection Potential of MOX-Fuel Doped with ^{231}Pa and Cs-radioisotopes, E. Kryuchkov (MEPhI)
10:20	Coffee Break	
10:40	Plenary Session 2 / Closing Session 10:40-11:20 (invited) #69 Toward to the 21st century nuclear-science technology, H. Takahashi (BNL) 11:20-12:00 (invited) #71The Advanced High-Temperature Reactor High-Temperature Fuel, Molten Salt Coolant and Liquid-Metal Plant, C.W. Forsberg (ORNL) 12:00-12:30 (invited) #7 Renewed Interest in Lead Cooled Fast Reactors, E. P. Loewen (INEEL)	
12:00		
13:00		

COE-INES International Symposium, INES-1 Schedule of the Sessions

(Thursday 4th November 2004)

	A (Akebono)	P (Hikari)
13:30		INES-1 Advisory Review Meeting
15:00		
15:30		
16:00		