

WNU夏季研修(2010)プログラム



2010年、英国Oxford
 日本人参加者4名
 日本人講師:服部拓也、小西俊雄
 日本人メンター:小西俊雄

Date	Title	意識タイトルと資料	講師	所属
	Week-1 Global Setting			
7/4	Welcome from the Coordinators and Mentors			
	Overview of SI and 2010 Programme		Adrian Collings	WNU
	Fellows self-identification (brief)			
7/5	WNU and the Summer Institute	WNU-SIの目指すもの	John Ritch	WNU
	Greetings from Oxford and Christ Church			
	World Energy Demand and Supply (1)	世界のエネルギー需給	Ian Hore-Lacy	WNA
	World Energy Demand and Supply (2) Nuclear	エネルギー需給と原子力	Ian Hore-Lacy	WNA
	World Energy Demand and Supply (3) NFC, GenII&III	核燃サイクル、Gen-II&III	Ian Hore-Lacy	WNA
	Team building preparation in WG A			
	Team building presentation and judging			
7/6	Climate Change (1): Science and Summits	気候変動(1)なぜ?	Jonathan Cobb	WNA
	Climate Change (2): Controversies	気候変動(2)どうする?	Jonathan Cobb	WNA
	Alternative Nuclear Energy Futures: Hydrogen, Liquid Fuels, and Peak Electricity	新エネルギーの将来	Charles Forsberg	MIT
	Plenary Session with presenters (Q&A)			
	Fellows self introductions in WG A			
7/7	Overview of the non-power applications of nuclear technology	発電以外の原子力利用	Alan Waltar	ex-PNNL
	Medical applications of nuclear science	核医学	Ilham Al-	Qatar Univ
	Global water issues and nuclear desalination	原子力海水淡水化	Toshio Konishi	JAIF
	Plenary Session with presenters (Q&A)			
	Fellows self introductions in WG A			
	Invited Speech (Energy Situation in the U.S.)	米国のエネルギー政策	Warren Miller	DOE
7/8	Global survey of nuclear energy politics	原子力政策全貌	Bertrand Barre	AREVA
	The Future of Nuclear Energy World	原子力の将来	Janice Dunn Lee	OECDNEA
	Nuclear energy politics in Fellows own			
7/9	Invited Speech (My life as a leader)	私の歩いた道	Ana Maria Cetto	IAEA
	Leadership (1) Living a dream?	夢はあるか?	Sigval Berg	ex-INPO
	Leadership (2) A call to serve	他人(ひと)のために	Sigval Berg	ex-INPO
	Week-2 Nuclear Industry			
7/12	World Nuclear Fuel market	核燃料市場	Steve Kidd	WNA
	World nuclear fuel market: uranium and	ウラン市場	Penny Buye	Cameco
	Overview of uranium enrichment	ウラン濃縮の実情	Bob Van Namen	USEC
	Review of morning lectures and plenary			
	Plenary Session with presenters (Q&A)			
7/13	Invited Speech (Leading by learning)	実践から学ぶ	Jerry Grandey	Cameco
	Gen III reactors: BWR and PWR	Gen-3: BとP	John Moares	ex-BE
	Gen III reactors: Candu	Gen-3: Candu	Basma Shalaby	ex-AECL
	Gen III reactors: VVER RBMK	Gen-3: VVERとRBMK	Radek Skoda	Czech U
	Review of morning lectures and plenary			
	Plenary Session with presenters (Q&A)			
7/14	Next generation nuclear reactors	次世代炉	Frank Carre	CEA

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	講義			
	グループ活動			
	招待講演			
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	Week-1 Global Setting			
	Review of morning lectures and plenary			
	Plenary Session with presenters (Q&A)			
	The global supply chain needs and the challenges of a large construction project	製造・建設技術	Rita Bowser	WH
	Invited Speech (What I learned)	学んできたこと	Christopher	Excelon
7/15	Nuclear fuel cycle and radioactive waste	核燃サイクルと廃棄物	Charles	Expert
	Deep geological nuclear waste disposal	地層処分	Charles	Expert
	Societal factors in waste management	廃棄物の社会的視点	Tom Isaacs	LLNL
	Review of lectures and plenary preparation			
	Plenary Session with presenters (Q&A)			
	Invited Speech (UK energy policy)	UKのエネルギー政策	Martin O'Neill	ex-MP
7/16	Nuclear Transport	輸送問題	Jack Edlow	WNA/NEI
	Decommissioning	デコミの現状	David Bradbury	Bradtec
	Review of lecture and plenary preparation			
	Plenary Session with presenters (Q&A)			
	Invited Speech (Energy, Prosperity and Leadership)	エネルギー・繁栄・リーダー	James Ellis	INPO
	Introduction to the UK Technical Tour		Francois Perchet	WNU
	Week-3 Technical Tour			
7/19-25	Technical Tour (Group-A, B, C)		Francois Perchet	
	Week-4 Nuclear Safety – Radiation Protection – Non-proliferation and Safeguards			
7/26	Non-proliferation and safeguards: legal	NPTと保障措置	Laura Rockwood	IAEA
	Safeguards implementation: concepts &	保障措置の実践	Bruno Pellaud	ex-IAEA
	Multilateral Approaches to the Nuclear Fuel	IAEAの多国籍管理構想	Tariq Rauf	IAEA
	Fellow self-introductions in WG B			
7/27	Safeguards implementation: review of hot	ホットな保障措置事例	Bruno Pellaud	ex-IAEA
	The outcome of 2010 NPT review Conference	NPTレビュー会議	Tariq Rauf	IAEA
	Korean Case Study on Nuclear Power	韓国の原子力	Byung Koo Kim	ex-KAERI
	Review of lectures and plenary preparation			
	Plenary Session with presenters (Q&A)			
	Comparative risk assessment	リスクアセスメント	Robert Budnitz	LBNL
7/28	IAEA safety standards and their applications	IAEAの安全基準	Annick Carnino	ex-IAEA
	Nuclear safety: feedback on operating	運転経験の反映	George Felgate	WANO
	Case study: Loss of the Space Shuttle	Columbia号事故の場合	Clair Goddard	INPO
	Safety culture	安全文化	Clair Goddard	INPO
	Preparation of case study			
	Plenary Session: case study review and			
7/29	Radiation protection: epistemology of radiation effects	放射線防護:その認識	Abel Julio González	ICRP
	International radiation protection paradigms	国際的放射線防護体制	Abel Julio González	ICRP
	Special lecture - China and Kazakhstan: keys to nuclear renaissance?	中国とカザクスタンが果たすルネッサンス	Steve Kidd	WNA
	Review of morning lectures and plenary			
	Plenary Session with presenters (Q&A)			
7/30	Nuclear safety regulation in a changing environment	原子力規制者の役割	Dana Drabova	WENRA
	The role of the regulator in the licensing and operation of nuclear facilities	原子力施設認可と規制	Len Creswell	HSE, UK
	International standardization of nuclear reactor design: view of the global industry	WNA設計標準化の試み	Irina Borysova	WNA
	New build in the UK	英国における新規炉	Humphrey Cadoux - Hudson	EdF
	Review of morning lectures and plenary			
	Plenary Session with presenters (Q&A)			
	Week-5 Communication - Economics -			
8/2	Invited Speech (Risk and Public Perception)	リスクと民意: NRCの視点	Gregory Jaczko	NRC

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	Week-1 Global Setting			
	Public Communications: building public support	民意の支持を得る	Ann Bisconti & Scott Peterson	Consultant NEI
	Case Study preparation: communications			
8/3	Special lecture on Communications	意思伝達の多様な例	Alain Michel	UK
	Case study presentations: communications			
	Initial meeting of the Forum Issues Groups			
8/4	The economic background to nuclear power	原子力発電の経済性	Adrian Ham	ex-BE
	The limitations of energy markets	エネルギー市場の制約	Chris Hall	EdF
	Introduction to case study	事例研究解説	Adrian Ham	ex-BE
	Case study preparation: Economics			
	Case study presentations			
	Forum Issues preparation	Forum Issue検討		
	Invited Speech (Energy Ethics)	エネルギー倫理	Baldev Raj	Indira Gandhi
8/5	Invited Speech (Responsible Development)	開発責務と若きリーダー	Takuya Hattori	JAIF
	Nuclear law: introduction and key issues	原子力法: 概要と課題	Sam	OECDNEA
	Nuclear law: safety and security	原子力法: 安全とセキュリティ	Wolfram Tonhauser	IAEA
	Case study preparation: Vienna Convention			
	Case study presentations			
	Forum Issues preparation			
8/6	Fusion: the era of burning plasmas	核融合研究の現状	Steven Cowley	Culham
	Forum Issues preparation			
	Tour to Culham Centre, FIGs 1 - 3			
	Forum Issues preparation FIGs 4-10			
	Week-6 New nuclear programmes - Knowledge management - Forum Issues			
8/9	Setting up nuclear programs: international	新規国への国際支援	Anne Starz	IAEA
	Setting up a nuclear programme in the UAE	UAEの場合	Hamad Al Kaabi	UAE
	Nuclear Programmes in Latin America	南米の動き	Patricia Wieland	CNEN, Bz
	Plenary Session with presenters (Q&A)			
	Tour to Culham Centre FIGs 4-7			
	Forum Issues preparation - FIGs 1-3 and 8-10			
8/10	Knowledge Management	原子力知識管理	Alan Waltar	ex-PNNL
	Tacit Knowledge Emergence	暗黙知の伝承	Bill Garland	ex-McMr U
	Action planning overview			
	Individual and group action planning and evaluations			
	Tour to Culham Centre FIGs 8 -10			
	Forum Issues preparation FIGs 1-7			
8/11	Forum Issues preparation			
	Invited Speech (Five Musts to be a leader)	リーダーの資質	Zach Pate	ex-WANO
8/12	Forum Issues presentations			
8/13	Invited Speech (Nuclear Safety and Nuclear Renaissance)	原子力安全とルネサンス	Laurent Stricker	WANO
	Invited Speech (A Responsibility of Leadership: Presenting and Defending the Global Imperative of Nuclear Power)	原子力界リーダーの役割	John Ritch	WNU
	Round table discussion	全体討議: SI総括		
	Assessment of the Summer Institute			
	Graduation ceremony			

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