

WNU夏季研修(2010)プログラム

	講義			
	グループ活動			
	招待講演			
Date	Title	意訳タイトルと資料	講師	所属
	<b>Week-1 Global Setting</b>			
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	<a href="#">WNU-SIの目指すもの</a>	John Ritch	WNU
	Greetings from Oxford and Christ Church			
	World Energy Demand and Supply (1)	<a href="#">世界のエネルギー需給</a>	Ian Hore-Lacy	WNA
	World Energy Demand and Supply (2) Nuclear	<a href="#">エネルギー需給と原子力</a>	Ian Hore-Lacy	WNA
	World Energy Demand and Supply (3) NFC, GenII&III	<a href="#">核燃サイクル、Gen-II&amp;III</a>	Ian Hore-Lacy	WNA
	Team building preparation in WG A			
	Team building presentation and judging			
7/6	Climate Change (1): Science and Summits	<a href="#">気候変動(1)なぜ?</a>	Jonathan Cobb	WNA
	Climate Change (2): Controversies	<a href="#">気候変動(2)どうする?</a>	Jonathan Cobb	WNA
	Alternative Nuclear Energy Futures: Hydrogen, Liquid Fuels, and Peak Electricity	<a href="#">新エネルギーの将来</a>	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	<a href="#">発電以外の原子力利用</a>	Alan Waltar	ex-PNNL
	Medical applications of nuclear science	<a href="#">核医学</a>	Ilham Al-	Qatar Univ
	Global water issues and nuclear desalination	<a href="#">原子力海水淡水化</a>	Toshio Konishi	JAIF
	Plenary Session with presenters (Q&A)			
	Fellows self introductions in WG A			
	Invited Speech (Energy Situation in the U.S.)	<a href="#">米国のエネルギー政策</a>	Warren Miller	DOE
7/8	Global survey of nuclear energy politics	<a href="#">原子力政策全貌</a>	Bertrand Barre	AREVA
	The Future of Nuclear Energy World	<a href="#">原子力の将来</a>	Janice Dunn Lee	OECDNEA
	Nuclear energy politics in Fellows own			
7/9	Invited Speech (My life as a leader)	<a href="#">私の歩いた道</a>	Ana Maria Cetto	IAEA
	Leadership (1) Living a dream?	<a href="#">夢はあるか?</a>	Sigval Berg	ex-INPO
	Leadership (2) A call to serve	<a href="#">他人(ひと)のために</a>	Sigval Berg	ex-INPO
	<b>Week-2 Nuclear Industry</b>			
7/12	World Nuclear Fuel market	<a href="#">核燃料市場</a>	Steve Kidd	WNA
	World nuclear fuel market: uranium and	<a href="#">ウラン市場</a>	Penny Buye	Cameco
	Overview of uranium enrichment	<a href="#">ウラン濃縮の実情</a>	Bob Van Namen	USEC
	Review of morning lectures and plenary			
	Plenary Session with presenters (Q&A)			
7/13	Invited Speech (Leading by learning)	<a href="#">実践から学ぶ</a>	Jerry Grandey	Cameco
	Gen III reactors: BWR and PWR	<a href="#">Gen-3: BとP</a>	John Moares	ex-BE
	Gen III reactors: Candu	<a href="#">Gen-3: Candu</a>	Basma Shalaby	ex-AECL
	Gen III reactors: VVER RBMK	<a href="#">Gen-3: VVERとRBMK</a>	Radek Skoda	Czech U
	Review of morning lectures and plenary			
	Plenary Session with presenters (Q&A)			
7/14	Next generation nuclear reactors	<a href="#">次世代炉</a>	Frank Carre	CEA
	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	<a href="#">製造・建設技術</a>	Rita Bowser	WH
	Invited Speech (What I leaned)	<a href="#">学んできたこと</a>	Christopher	Excelon
7/15	Nuclear fuel cycle and radioactive waste	<a href="#">核燃サイクルと廃棄物</a>	Charles	Expert
	Deep geological nuclear waste disposal	<a href="#">地層処分</a>	Charles	Expert
	Societal factors in waste management	<a href="#">廃棄物の社会的視点</a>	Tom Isaacs	LLNL
	Review of lectures and plenary preparation			
	Plenary Session with presenters (Q&A)			
	Invited Speech (UK energy policy)	<a href="#">UKのエネルギー政策</a>	Martin O'Neill	ex-MP
7/16	Nuclear Transport	<a href="#">輸送問題</a>	Jack Edlow	WNA/NET
	Decommissioning	<a href="#">デコミの現状</a>	David Bradbury	Bradtec
	Review of lecture and plenary preparation			

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	Plenary Session with presenters (Q&A)			
	Invited Speech (Energy, Prosperity and Leadership)	<a href="#">エネルギー・繁栄・リーダー</a>	James Ellis	INPO
	Introduction to the UK Technical Tour		Francois Perchet	WNU
	<b>Week-3 Technical Tour</b>			
7/19-25	Technical Tour (Group-A, B, C)		Francois Perchet	
	<b>Week-4 Nuclear Safety - Radiation Protection - Non-proliferation and Safeguards</b>			
7/26	Non-proliferation and safeguards: legal	<a href="#">NPTと保障措置</a>	Laura Rockwood	IAEA
	Safeguards implementation: concepts &	<a href="#">保障措置の実践</a>	Bruno Pellaud	ex-IAEA
	Multilateral Approaches to the Nuclear Fuel	<a href="#">IAEAの多国籍管理構想</a>	Tariq Rauf	IAEA
	Fellow self-introductions in WG B			
7/27	Safeguards implementation: review of hot	<a href="#">ホットな保障措置事例</a>	Bruno Pellaud	ex-IAEA
	The outcome of 2010 NPT review Conference	<a href="#">NPTレビュー会議</a>	Tariq Rauf	IAEA
	Korean Case Study on Nuclear Power	<a href="#">韓国の原子力</a>	Byung Koo Kim	ex-KAERI
	Review of lectures and plenary preparation			
	Plenary Session with presenters (Q&A)			
	Comparative risk assessment	<a href="#">リスクアセスメント</a>	Robert Budnitz	LBNL
7/28	IAEA safety standards and their applications	<a href="#">IAEAの安全基準</a>	Annick Carnino	ex-IAEA
	Nuclear safety: feedback on operating	<a href="#">運転経験の反映</a>	George Felgate	WANO
	Case study: Loss of the Space Shuttle	<a href="#">Columbia号事故の場合</a>	Clair Goddard	INPO
	Safety culture	<a href="#">安全文化</a>	Clair Goddard	INPO
	Preparation of case study			
	Plenary Session: case study review and			
7/29	Radiation protection: epistemology of radiation effects	<a href="#">放射線防護: その認識</a>	Abel Julio González	ICRP
	International radiation protection paradigms	<a href="#">国際的放射線防護体制</a>	Abel Julio González	ICRP
	Special lecture - China and Kazakhstan: keys to nuclear renaissance?	<a href="#">中国とカザクスタンが果たすルネッサンス</a>	Steve Kidd	WNA
	Review of morning lectures and plenary			
	Plenary Session with presenters (Q&A)			
7/30	Nuclear safety regulation in a changing environment	<a href="#">原子力規制者の役割</a>	Dana Drabova	WENRA
	The role of the regulator in the licensing and operation of nuclear facilities	<a href="#">原子力施設認可と規制</a>	Len Creswell	HSE, UK
	International standardization of nuclear reactor design: view of the global industry	<a href="#">WNA設計標準化の試み</a>	Irina Borysova	WNA
	New build in the UK	<a href="#">英国における新規炉</a>	Humphrey Cadoux - Hudson	EdF
	Review of morning lectures and plenary			
	Plenary Session with presenters (Q&A)			
	<b>Week-5 Communication - Economics -</b>			
8/2	Invited Speech (Risk and Public Perception)	<a href="#">リスクと民意: NRCの視点</a>	Gregory Jaczko	NRC
	Public Communications: building public support	<a href="#">民意の支持を得る</a>	Ann Bisconti & Scott Peterson	Consultant NEI
	Case Study preparation: communications			
8/3	Special lecture on Communications	<a href="#">意思伝達の多様な例</a>	Alain Michel	UK
	Case study presentations: communications			
	Initial meeting of the Forum Issues Groups			
8/4	The economic background to nuclear power	<a href="#">原子力発電の経済性</a>	Adrian Ham	ex-BE
	The limitations of energy markets	<a href="#">エネルギー市場の制約</a>	Chris Hall	EdF
	Introduction to case study	<a href="#">事例研究解説</a>	Adrian Ham	ex-BE
	Case study preparation: Economics			
	Case study presentations			
	Forum Issues preparation	<a href="#">Forum Issue検討</a>		
	Invited Speech (Energy Ethics)	<a href="#">エネルギー倫理</a>	Baldev Raj	Indira Gandhi
8/5	Invited Speech (Responsible Development)	<a href="#">開発責務と若きリーダー</a>	Takuya Hattori	JAIF

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	Nuclear law: introduction and key issues	<a href="#">原子力法:概要と課題</a>	Sam	OECDNEA
	Nuclear law: safety and security	<a href="#">原子力法:安全とセキュリティ</a>	Wolfram Tonhauser	IAEA
	Case study preparation: Vienna Convention			
	Case study presentations			
	Forum Issues preparation			
8/6	Fusion: the era of burning plasmas	<a href="#">核融合研究の現状</a>	Steven Cowley	Culham
	Forum Issues preparation			
	Tour to Culham Centre, FIGs 1 - 3			
	Forum Issues preparation FIGs 4-10			
	<b>Week-6 New nuclear programmes - Knowledge management - Forum Issues</b>			
8/9	Setting up nuclear programs: international	<a href="#">新規国への国際支援</a>	Anne Starz	IAEA
	Setting up a nuclear programme in the UAE	<a href="#">UAEの場合</a>	Hamad Al Kaabi	UAE
	Nuclear Programmes in Latin America	<a href="#">南米の動き</a>	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	<a href="#">原子力知識管理</a>	Alan Waltar	ex-PNNL
	Tacit Knowledge Emergence	<a href="#">暗黙知の伝承</a>	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)	<a href="#">リーダーの資質</a>	Zach Pate	ex-WANO
8/12	Forum Issues presentations			
8/13	Invited Speech (Nuclear Safety and Nuclear Renaissance)	<a href="#">原子力安全とルネサンス</a>	Laurent Stricker	WANO
	Invited Speech (A Responsibility of Leadership: Presenting and Defending the Global Imperative of Nuclear Power)	<a href="#">原子力界リーダーの役割</a>	John Ritch	WNU
	Round table discussion	<a href="#">全体討議:SI総括</a>		
	Assessment of the Summer Institute			
	Graduation ceremony			