

2012年、英国Oxford
 日本人参加者7名
 日本人講師: 齋藤健彦、下村和生、花光圭子
 日本人メンター: 齋藤健彦



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| 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 |
|----------|--|-------------------------------|--|
| 7/8 (日) | Welcome from Coordinators and Mentors | 事務局・メンターからの歓迎 | Coordinators and Mentors |
| | Overview of the SI and 2012 Programme | SIプログラム概観 | Adrian Collings (WNU) |
| | Best practice from previous fellows: how to make the most of your time at the Summer Institute | 先輩フェローから「SI活用のコツ」 | Ann Flowers (EdF Energy) Mark Bosley (OPG) |
| | Fellows self-introductions: part | フェローの簡単な自己紹介 | All fellows |
| | Working Groups A: your group | ワーキンググループAの編成 | Alan Waltar (ex-PNNL) Adrian Collings (WNU) |
| | Getting acquainted in your Working Groups | ワーキンググループA懇親 | All |
| | Welcome reception – Boat trip on the Isis | テムズ川懇親ボートツアー | All |
| 7/9 (月) | WNU and the Summer Institute | WNU-SIの目指すもの | John Ritch (WNU/WNA) |
| | Greetings from Oxford and Christ Church | 歓迎 (Oxford and Christ Church) | |
| | World energy demand & supply: the current situation | 世界のエネルギー需給: 現状 | Ian Hore-Lacy (WNA) |
| | World energy demand & supply: looking forward | 世界のエネルギー需給: 現状見通し | Ian Hore-Lacy (WNA) |
| | Team building preparation | チームビルディング演習 | |
| | Team building presentation and judging | チームビルディング発表会 | Working Group A |
| 7/10 (火) | Climate Change Communication | 気候変動: なぜ? | Jonathan Cobb (WNA) |
| | Alternative nuclear energy futures: hydrogen, liquid fuels, and peak electricity | 新エネルギー: H2、液体燃料、ピーク需要対応 | Charles Forsberg (MIT) |
| | The Fluoride-Salt-Cooled High-Temperature Reactors Project | 高温フッ化物溶融塩炉 | Charles Forsberg (MIT) |
| | Plenary session with presenters | 講演者との全体討議 | |
| | Self-introductions in Working Groups A | WG-Aでの自己紹介 | Working Group A |
| 7/11 (水) | Overview of non-power applications of nuclear technology | 発電以外の原子力利用 (I) | Alan Waltar (ex-PNNL) |
| | Medical applications of nuclear sciences | 核医学 | Ilham Al-Qaradawi (Qatar Univ.) |
| | Overview of non-power applications of nuclear technology II | 発電以外の原子力利用 (II) | Alan Waltar (ex-PNNL) |

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| | Plenary session with morning presenters | 講演者との全体討議 | All |
| | Technical Tour presentation | テクツアー案内 | Martin Andersson (Vattenfall) |
| | Self-introductions in Working Groups A | WG-Aでの自己紹介(続) | Working Group A |
| 7/12 (木) | Global survey of nuclear energy politics | 原子力政策 | Bertrand Barré (Areva) |
| | Plenary Session with morning presenter | 講演者との全体討議 | |
| | Invited Talk: Nuclear Energy: Safe, Clean Power for the Future | 訓話 | Peter Lyons (US DOE) |
| | Nuclear energy politics in fellows own countries | フェロー自国の原子力紹介 | Working Group A |
| 7/13 (金) | Leadership I | リーダー像:キーワード | Sigval Berg (ex-INPO) |
| | Leadership II-a (A Call to Serve) | リーダーは奉仕の気持ちで | Sigval Berg (ex-INPO) |
| | Leadership II-b (Protect the Core) | リーダーが忘れていけないこと | Sigval Berg (ex-INPO) |
| | Leadership II-c (Leadership) | リーダーへの道:演習 | Sigval Berg (ex-INPO) |
| | Plenary session with presenter | 講演者との全体討議 | All |
| | Tour of Christ Church College | Christ Church College構内ツアー | Erica Boffano (WNU) |
| | Working Groups discussion | WG-A討議 | Working Group A |
| 7/14 (土) | Punting on the river | | |
| 7/15 (日) | Free time | | |
| 7/16 (月) | Fuel cycle, importance of fuel, trade, transport and the uranium market | 核燃料サイクル、核燃料市場 | Ian Emsley (WNA) |
| | Uranium Exploration and Mining | ウラン探鉱・採鉱 | Cory Kos (Cameco) |
| | Enrichment Market Overview | 濃縮ウラン市場 | Pat Upson (ex-URENCO) |
| | Review of lectures | 講演復習、問題整理 | All |
| | Plenary session with morning presenters | 講演者との全体討議 | All |
| 7/17 (火) | Invited Talk: Uranium and Cameco: It Starts Here | 訓話 | Tim Gitzel (Cameco) |
| | Generation III reactors | Gen-3 | Radek Skoda (texas A&M) |
| | Review of lectures | 講演復習、問題整理 | |
| | Plenary session with morning presenters | 講演者との全体討議 | Radek Skoda (texas A&M) |
| 7/18 (水) | Next generation nuclear reactors | 次世代炉 | Frank Carré (CEA) |
| | Review of lectures | 講演復習、問題整理 | |
| | Plenary session with morning presenter | 講演者との全体討議 | |
| | Invited Talk: Leader as Host, Host as Leader | 訓話 | Jenny Clarke |
| 7/19 (木) | Nuclear fuel cycle and radioactive waste | 核燃料サイクルと放射性廃棄物問題 | Gregg Butler (IDM University of Manchester) |
| | Deep geological nuclear waste disposal | 地層処分 | Charles McCombie (Airus) |
| | The Societal Dimension of Radioactive Waste Disposal | 廃棄物の社会的視点 | Charles McCombie (Airus) and Gregg Butler (IDM University of Manchester) |
| | Review of lectures | 講演復習、問題整理 | WG-A |
| | Plenary session with morning presenter | 講演者との全体討議 | All |

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| | Nuclear Safety, Leadership and Cross Cultural Boundaries | 異文化環境でのリーダー像 | Michel Reynaud (EdF Energy) |
| | Informal reception | 懇親 | |
| 7/20 (金) | Decommissioning | デコミの現状 | David Bradbury (Bradtec) |
| | Transportation of Radioactive Materials | 核物質輸送問題 | Jack Edlow (Edlow International) |
| | Review of lectures | 講演復習、問題整理 | WG-A |
| | Plenary session with morning presenters | 講演者との全体討議 | All |
| | Technical Tour: final instructions | テクツアー最終案内 | Erica Boffano (WNU) |
| | Self-introductions in Working Groups B | WG-Bでの自己紹介 | Working Group B |
| 7/21 (土) | Technical Tour Departure | | |
| 7/22 (日) | Free time in Stockholm | | |
| | Technical Tour plan presentation | | |
| 7/23 (月) -27 (金) | Technical Tour, separate timing and schedule | | テクツアー(スウェーデン、4班) |
| 7/28 (土) | Return from Sweden – arrivals pm | | |
| 7/29 (日) | Free time | | |
| 7/30 (月) | Non-proliferation and IAEA safeguards: legal framework | 核不拡散と保障措置: 法的枠組み | Laura Rockwood (IAEA) |
| | Safeguards implementation: concepts & practices | 保障措置: 考え方と実践 | Malik Derrough (IAEA) |
| | Safeguards implementation: hot spots | ホットな保障措置事例 | Bruno Pellaud (ex-IAEA) |
| | Non-proliferation and safeguards: an industry perspective | 核不拡散と保障措置: 産業界の見方 | Pat Upson (ex-URENCO) and Robert Van Namen (USEC) |
| | Round table discussion | 全体討議 | All |
| | Introducing Nuclear Power: The Rationale, Challenges and Sustainability | ナイジェリアの原子力導入: ラショナル、課題、持続性 | Erepamo Osaisai (Nigeria AEC) |
| | Informal reception – Rhodes House | 懇親パーティ | |
| 7/31 (火) | Invited Talk: Leadership Experience | 訓話 | Ralf Guldner (E.ON) |
| | INPO Overview | INPOの目指すところ | Jim Lynch (INPO) |
| | Case study introduction: Columbia shuttle accident | 事例研究解説: Columbia号事故 | Robert Gossman (INPO) |
| | Case study preparation | 原子力規制者の役割 | WG-B |
| | Case study presentations | 原子力施設認可と規制 | All |
| 8/1 (水) | Fukushima 1: World Efforts after Fukushima and Lessons Learned from the Accident | 福島事故 (I): 世界が学ぶその教訓 | Takehiko Saito (FANR) |
| | Fukushima 2: Lessons Learned from Fukushima Nuclear Accident: Institutional Aspects / Issues | 福島事故 (II): 社会要因と今後 | Kazuo Shimomura (JNES) |
| | Post-Fukushima WANO: The Safety Culture Challenge | 福島事故後のWANO対応: 安全文化 | George Felgate (WANO) |
| | Invited Talk: Nuclear Safety A Utility (EDF) Perspective | 訓話 | Georges Servièrè (EdF) |
| | Review of lectures | 講演復習、問題整理 | WG-B |
| | Plenary session with presenters | 講演者との全体討議 | All |

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| | Informal reception | 懇親 | |
| 8/2 (木) | Radiation protection: epistemology of radiation effects | 国際的放射線防護体制 | Abel González (ICRP) |
| | Learning from Accidents: Three Mile Island, Chernobyl, and Fukushima | 事故から学ぶ: TMI、Chernobyl、福島 | Abel González (ICRP) |
| | Review of lectures | 講演復習、問題整理 | WG-B |
| | Plenary session with morning presenter | 講演者との全体討議 | All |
| | Invited Talk: Leadership in the Nuclear Sector | 訓話 | Jontly Palmer (PwC) |
| 8/3 (金) | Introduction to Nuclear Law: the IAEA perspective | 原子力法規概要 (IAEAから見て) | Wolfram Tonhauser (IAEA) |
| | What is a Nuclear Lawyer | 原子力輸出入上の弁護士の役割 | Paul Bowden (Freshfields) |
| | Promoting Security Leadership and Best Practices Worldwide | 核セキュリティーにおけるリーダー | Roger Howsley (WINS) |
| | Discussion with presenters | 講演者との全体討議 | |
| 8/4 (土) | Free time | | |
| 8/5 (日) | Free time | | |
| 8/6 (月) | Effective Communications about Nuclear Energy | 原子力の広報問題: 方法論、実践、事例検討 | Ann Bisconti (Bisconti Research) and Scott Peterson (NEI) |
| | Case study preparation: communications | 広報のケーススタディー | WG-B |
| 8/7 (火) | Fellows presentations and critiques | フェローによる広報事例研究発表 | |
| | Invited Talk: Our Nuclear Brand of Leadership | 訓話 | Richard Purcell (INPO) |
| | Invited Talk: Korean/Asian Approaches to Leadership in the Nuclear Industry | 訓話 | Chang Kun Lee (Korea Electric Power Company) |
| 8/8 (水) | The economics of nuclear power | 原子力発電の経済性 | Adrian Ham (ex-BE) |
| | Nuclear Project Structuring and Financing | 原子力プロジェクトとファイナンス | Milton Caplan (MZConsultin) |
| | The Role of Construction Companies in the Nuclear Supply Chain | サプライチェーン | Reg Edwards (Shaw Co.) |
| | Building an International Supply Chain: Opportunities and Challenges | 国際的なサプライチェーン | Greg Kaser (WNA) |
| | The Case for Design Change Management | 設計変更管理 | Jerald Head (GE-Hitachi) |
| | Review of lectures | 講演復習、問題整理 | WG-B |
| | Plenary session with presenters | 講演者との全体討議 | SII |
| | Nuclear reactors – how it works | (課外補習)原子力技術の変遷 | Dominique Grenêche |
| 8/9 (木) | SMRs | 中小型炉 | Sama Bilbao y Leon (Virginia Commonwealth Univ.) |
| | Initial meeting of Forum Issues Groups and Forum Issues preparation | Forum Issue Group立ち上げ | FIG |
| | Error Management and Leadership in High Risk Environments | ハイリスク社会におけるリーダー像 | Daniel Schwalbe and Carsten Waechter (Interpersonis) |

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| 8/10 (金) | Science and Engineering Challenges for Fusion: When and How Fusion: the Era of Burning Plasmas | 核融合研究の課題 | Steven Cowley (UKAEA Culham) |
| | The Integral Fast Reactor/Prism: a social climate change perspective | 完全受動の一体型高速炉: PRISM | Mark Lynas |
| | Forum Issues preparation | Forum Issue検討 | FIG |
| 8/11 (土) | Day trip to Blenheim Palace and Woodstock | (遠足) | |
| 8/12 (日) | Free time | | |
| 8/13 (月) | Invited Talk: Moving Safely and Securely Towards Nuclear Power | 訓話 | Khaled Toukan (Jordan AEC) |
| | Milestones in the Introduction of Nuclear Power | 原子力導入のマイルストーン | Anne Starz (IAEA) |
| | Knowledge Management: IAEA Program and Activities on NKM | 原子力知識管理: IAEAの活動 | Keiko Hanamitsu (IAEA) |
| | Plenary session with morning presenters | 講演者との全体討議 | All |
| | Tour to Culham Centre for Fusion Energy | Culham核融合研究所訪問(1班) | |
| | Forum Issues preparation | Forum Issue検討 | FIG |
| 8/14 (火) | Action planning overview | 各自SI後の進み方目標 | Jenny Clarke |
| | Individual and group action planning and evaluations | SI後の進み方とSI評価 | All |
| | Forum Issues preparation | Forum Issue検討 | FIG |
| | Tour to Culham Centre for Fusion Energy | Culham核融合研究所訪問(2班) | |
| | Forum Issues preparation | Forum Issue検討 | FIG |
| 8/15 (水) | Forum Issues preparation | Forum Issue検討 | FIG |
| 8/16 (木) | Forum Issues presentations | Forum Issue発表会 | |
| 8/17 (金) | Invited Invited Talk: Lessons learned WANO action to improve nuclear safety | 訓話 | Laurent Stricker (WANO) |
| | Invited Invited Talk: Five Keys to Successful Leadership | 訓話 | Zack Pate |
| | Invited Invited Talk: A Responsibility of Leadership: Building Public Understanding of the Global Imperative of Nuclear Power | 訓話 | John Ritch (WNU/WNA) |
| | Round table discussion and assessment of the Summer Institute | 全体討議: SI総括 | Laurent Stricker (WANO), Zack Pate and John Ritch (WNU/WNA) |
| | Free time for packing | | |
| | Graduation ceremony – The Library | | |
| 8/18 (土) | Check out | | |