

Hydro Vision 2015 国際会議の概要

【日 時】

平成 27 年 7 月 14 日（火）：Hydro Vision プレセッション

平成 27 年 7 月 15 日（水）～17（金）：Hydro Vision 国際会議

【場 所】

オレゴン・コンベンション・センター／ポートランド（米国オレゴン州）

【参加者】

3, 6 9 6 名

1. Hydro Vision プレセッション概要

本会議開催に先立ち、Hydro Vision プレセッションの「進化する世界の水力に向けた IEA の取組み事例」セミナーとして IEA 水力実施協定で活動中の Annex について概要紹介を実施し、会議参加者への広報活動を実施した。

- ・ Opening Remarks and Introductions: Dr. Boualem Hadjerioua (Moderator)
- ・ IEA Hydro, organization, purpose etc.: Mr. Torodd Jensen (IEA Chairman)

[Presentations] 各 Annex の OA（Operating Agent 執行責任者）からの報告

- ・ Annex II (Small Hydro) : Mr. Kearon Bennett（カナダ）
- ・ Annex IX (Multipurpose Benefits) : Mr. Niels Nielsen（IEA 事務局）、Mr. Vladimir Koritarov（アメリカ）、Dr. Boualem Hadjerioua（アメリカ）
- ・ Annex XI (Renewal and Upgrading of Hydropower Plants) : 秋山 隆（新エネルギー財団）
- ・ Annex XII (Green House Gas) : Dr. Damazio（ブラジル）
- ・ Annex XIII (Fish Issues) : Mr. Daniel Deng（アメリカ：代理発表）
- ・ Annex XIV (Management Models for Hydropower Cascade Reservoirs)（計画中）：
Mr. Niels Nielsen（IEA 事務局：代理発表）

2. Hydro Vision 2015 国際会議の概要

Hydro Vision 2015 国際会議は、水力発電の更なる発展を目指す最大規模の国際会議であり、70 以上のセッションと 450 人以上の発表者により、水力発電に関する幅広い分野を包含している。今回開催されているセッション（1A～7G）を別紙に示す。

以 上

Hydro Vision2015 プログラム

MONDAY, JULY 13, 2015											
8:00 AM – 6:00 PM	Co-Located Events: Seminars, Workshops, Organization Meetings - pages 12-23										
8:00 AM – 4:00 PM	TECHNICAL TOUR: Clackamas River: River Mill, Faraday and North Fork Projects Tour - page 15										
8:00 AM – 5:00 PM	TECHNICAL TOUR: Lewis River: Merwin and Swift Dam Projects Tour - page 14										
TUESDAY, JULY 14, 2015											
6:30 AM – 2:45 PM	Co-Located Events: Seminars, Workshops, Organization Meetings, Golf Tournament & Women with Hydro Vision Luncheon - pages 12-23										
8:30 AM – 1:00 PM	TECHNICAL TOUR: Bonneville Lock and Dam: A View Inside - page 15										
3:00 PM – 5:00 PM	HYDROVISION INTERNATIONAL 2015 OPENING KEYNOTE SESSION - pages 28-29										
5:00 PM – 7:00 PM	Exhibit Hall Opening Reception										
WEDNESDAY, JULY 15, 2015											
8:30 AM – 5:00 PM	Exhibit Hall Open										
MULTI-TRACK CONFERENCE SESSIONS	ASSET MANAGEMENT <i>Pages 30-31</i>	CIVIL WORKS AND DAM SAFETY <i>Pages 32-33</i>	NEW DEVELOPMENT <i>Pages 34-35</i>	OPERATIONS AND MAINTENANCE <i>Pages 36-37</i>	POLICIES AND REGULATIONS <i>Pages 38-39</i>	WATER RESOURCES <i>Pages 40-41</i>	TECHNICAL PAPERS <i>Pages 44-55</i>			POSTER GALLERIES <i>Pages 56-60</i>	OCEAN RENEWABLE ENERGY CONFERENCE X <i>Pages 42-43</i>
9:30 – 11:30 AM	1A: Tips and Considerations for Developing a Strong Business Case for Hydro Assets	1B: When the Storm Comes and the Wave Falls: Assessing the Consequences of Dam Failure	1D: What It's Going to Take to Double Hydropower Production in the U.S.	1E: How It's Made (or Should Be) – Specification Writing for the Real World	1F: Climate Policy Opportunities and Issues for Hydro	1G: Columbia River Basin – Hot Topics	1H: Flexibility of Pumped Storage for Grid Reliability	1I: Hydraulics, Hydraulic Modeling and Hydrology	1J: Topics in Turbines	Meet Me at the Poster Gallery! (Poster presenters will be available 9:30 – 11:30 AM)	1C: What's the Vision? Where's the Progress?
11:30 AM – 1:30 PM	Delegate Lunch in Exhibit Hall										
1:30 – 3:30 PM	2A: Extending the Life of a Project through Proper Planning	2B: There's Got to be a Better Way: Collaborative Solutions for Contract Delivery	2D: The Ups and Downs of Pumped Storage Development: An Industry Update	2E: Your Generator: Will it Run until You Retire?	2F: DOE's Hydropower Vision Initiative – A Roadmap to the Future	2G: Managing Hydro Projects during Droughts and Other Low Water Events	2H: All About Controls	2I: Hydropower Plant Management	2J: Fish Passage and Protection: The Northwest Experience		2C: Technology Development in Marine and Hydrokinetic Energy
3:30 – 5:00 PM	Exhibit Hall Dam Good Networking Reception										
THURSDAY, JULY 16, 2015											
9:30 AM – 5:00 PM	Exhibit Hall Open										
8:30 – 10:00 AM	3A: Conquering the Divide: Linking Plant and Business Systems	3B: Are Your Hydraulic Structures Ready for the Emergency?	3D: Global Development Trends – What Can North America Learn?	3E: Cage Fight Featuring Maintenance, Operations and Dispatch: Can They Get Along?	3F: Top 10 Hydro Issues Worldwide	3G: Dam Removal: Effect on Water Scheduling for Power and Fish	3H: Hydro Civil Works: Design & Construction	3I: Environmental Issues and Sustainability in International Development	3J: Power Management and Grid Stability	Meet Me at the Poster Gallery! (Poster presenters will be available 8:30 – 10:00 AM)	3C: Testing the Waters: Global Status Reports from MHK Test Centers
10:00 AM – 11:00 AM	Coffee on Exhibit Hall Floor										
11:00 AM – 12:30 PM	4A: Where are Your Skills? Balancing Consultants and In-house Core Competencies	4B: Give it a Hug: Embracing Owner's Dam Safety Programs	4D: Environmental Impacts: Opportunities or Barriers for New Hydro Development?	4E: Back to the Future: Operating 20th Century Hydro Plants in the 21st Century	4F: Valuing Hydro in the Marketplace	4G: Sediment Impacts on Project Operations and Aquatic Habitat – Options, Methods and Tools	4H: Case Studies of Hydropower Plant Upgrades – Challenges Faced/Challenges Overcome	4I: Assessment Tools for Environmental and Recreation Management	4J: Basin Planning		4C: Niche Markets as a Stepping Stone to Larger Scale Development
12:30 – 2:30 PM	Delegate Lunch in Exhibit Hall										
2:30 – 4:00 PM	5A: Case Studies in Asset Management and Lessons Learned	5B: Drowning in Data: What are Monitoring, Surveillance and Evaluation Data Telling Us?	5D: Friends with Benefits: Hydro and Other Renewables	5E: Bearing Rehab and Applications in Today's Demanding Hydro Industry	5F: Disconnect between Public Perception and Hydro Policies	5G: Total Dissolved Gas: Fish, Operations and Models	5H: Modernization and Life Extension	5I: Hydropower Development and Ownership in Varied Geographic Locations	5J: Problem Solving with Innovative Solutions		5C: Emerging Market Concerns: Integration, Variability and the Cost of Energy
4:00 PM	Coffee on Exhibit Hall Floor										
4:30 PM	Harley Motorcycle Giveaway on the Exhibit Hall Floor - page 61										
6:30 – 9:00 PM	Dams N' Roses Networking Party - page 11										
FRIDAY, JULY 17, 2015											
8:30 – 10:00 AM	6A: How to Manage Procurement to Reduce Outage Risks	6B: Raising the Bar – Methods for Increasing Head and Storage at Your Facility	6D: How Can We Lower the Cost of Conduit and Small Hydro?	6E: Control Your Impulses: Can Existing Controls Meet Modern Performance Requirements?	6F: Canada/U.S. Cross-Border Issues – Beyond the Keystone Pipeline	6G: Effectiveness of Fish Passage: Are We Spending our Money Wisely?	6H: Dam Safety Updated	6I: Generator Asset Management and Innovation	6J: Renewable Energy Markets for Hydropower: Fact or Fiction?	Meet Me at the Poster Gallery! (Poster presenters will be available 8:30 – 10:00 AM)	6C: Clean Vision: Environmental Impacts and Progress
10:00 – 10:30 AM	Coffee Break										
10:30 – 12:00 PM	7A: Workforce Development and Retention Planning	7B: Built to Last? Maximizing Project Value over Varying Lifespans	7D: What's Working, What's Not? Update on Federal Efforts to Increase Hydropower at Existing Dams	7E: Power Plant Safety: It Can Save Your Life	7F: Regulations/Licensing: What's on the Horizon?	7G: Watershed and Reservoir Management to Maximize Water Supply	7H: Water Quality Improvements at Dams	7I: Developments in Fish Passage & Protection	7J: Monitoring & Testing – Information is Critical		7C: Perspectives on the Interface between Government and the MHK Community
12:00 – 1:30 PM	Keep Hydrated – Picnic & Beer Tasting - page 11										

