



## Council

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## **Election to fill a vacancy on the Legal and Technical Commission in accordance with article 163, paragraph 7, of the United Nations Convention on the Law of the Sea of 10 December 1982**

### **Note by the Secretary-General**

1. The Council of the International Seabed Authority is invited to note that Natsumi Kamiya (Japan), member of the Legal and Technical Commission, has resigned. Mr. Kamiya had been elected as a member of the Commission on 13 July 2015 (see [ISBA/21/C/21](#), para. 5), to fill the vacancy left by the resignation of Nobuyuki Okamoto (Japan) for the remainder of the latter's term of office.
2. In accordance with article 163, paragraph 7, of the United Nations Convention on the Law of the Sea of 10 December 1982 and rule 80, paragraph 3, of the rules of procedure of the Council, in the event of the death, incapacity or resignation of a member of the Commission prior to the expiration of the term of office, the Council shall elect for the remainder of the term a member from the same geographical region or area of interest.
3. Article 163, paragraph 3, of the Convention and rule 81 of the rules of procedure of the Council provide that members of the Commission shall have appropriate qualifications in the area of competence of the Commission and that States parties shall nominate candidates of the highest standards of competence and integrity with qualifications in relevant fields so as to ensure the effective exercise of the functions of the Commission.
4. By a note verbale, the Permanent Representative of Japan to the Authority informed the secretariat of the nomination of Nobuyuki Okamoto, Director, Seafloor Mineral Resources Research and Development Division, Metals Technology Department at Japan Oil, Gas and Metals National Corporation (JOGMEC), who is a former member of the Commission, as its candidate to fill the vacant seat on the Commission due to the resignation of Mr. Kamiya. The curriculum vitae of Mr. Okamoto is contained in the annex to the present note.



## Annex

### Curriculum vitae\*

#### Nobuyuki Okamoto (Japan)

##### Personal

Date of birth: 5 December 1962

Gender: Male

##### Office

Employment: Japan Oil, Gas and Metals National Corporation  
(JOGMEC)

Position: Director, Seafloor Mineral Resources Research and  
Development Division, Metals Technology Department

##### Career history

Dr. Nobuyuki Okamoto was graduated at Shimane University in 1985 and was awarded the degree of doctor of science by Kochi University in 2014. He has over 20 years' experience in marine geology and seabed mining technology, for manganese nodules, polymetallic sulphides and so on.

He has been involved with many ocean programs promoting the Japanese government such as exploration and/or marine scientific research in Antarctic Ocean, Clarion-Clipperton Zone (CCZ), East Pacific Rise (EPR), South Pacific Ocean, Okinawa trough and Northwest Pacific Ocean. He also has experience working for Japan International Cooperation Agency (JICA), Deep Ocean Resources Development Co., Ltd. (DORD), the Ministry of International Trade and Industry (MITI), and South Pacific Applied Geoscience Commission (SOPAC or SPC Geoscience Division). He is now in charge of Japan's deep-sea mineral resource research and development projects for polymetallic nodules, cobalt-rich ferromanganese crusts and sea-floor massive sulphides.

He was a member of the Legal and Technical Commission of the International Seabed Authority from 2009 to 2015.

##### Education

1985 Bachelor of Science in Geology, Shimane University,  
Shimane, Japan

2014 Ph.D. in Science (Marine Geology), Kochi University,  
Japan

##### Professional experience

4/1985 Joined the Metal Mining Agency of Japan (MMAJ)

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\* Curricula vitae are issued without formal editing.

4/1985-4/1990	Mineral Exploration Technological Development Division, Technical Development Department
5/1990-5/1992	Natural Resources Development Study Division, Industrial and Mining Development Study Department, Japan International Cooperation Agency (JICA)
5/1992-3/1994	Technical Cooperation Division, Overseas Activities Department
3/1994-5/1996	Resources Research Department, Deep Ocean Resources Development Co. Ltd. (DORD)
6/1996-4/1998	Deputy Project Manager for Manganese Nodule Mining System program, Agency of Industrial Science and Technology, Ministry of International Trade and Industry (MITI)
4/1998-9/2001	Deputy Director, Mineral Exploration Technological Development Division, Technical Development Department, MMAJ
9/2001-9/2003	Offshore Minerals Environmental Geologist, South Pacific Applied Geoscience Commission (SOPAC) in Fiji as JICA Expert
9/2003-2/2004	Deputy Director, Mineral Exploration Technological Development Division, Technical Development Department, MMAJ
2/2004	Established Japan Oil, Gas and Metals National Corporation (JOGMEC)
2/2004-6/2009	Deputy Director, Deep-sea Mineral Exploration and Technology Division, Metals Technology Department, JOGMEC
7/2009-6/2010	Project Director, Deep-sea Mineral Exploration and Technology Division, Metals Technology Department, JOGMEC
7/2010-1/2012	Director, Deep-sea Mineral Exploration and Technology Division, Metals Technology Department, JOGMEC
2/2012-3/2014	Director, Deep-sea Exploration Division, Metals Technology Department, JOGMEC
4/2014-present	Director, Seafloor Mineral Resources Research and Development Division, Metals Technology Department, JOGMEC
7/2009-5/2015	Member of the Legal and Technical Commission of the International Seabed Authority
2014-present	Guest Professor, Kochi University, Japan

**Memberships/associations**

- Society of Resource Geology (Japan)
- Mining and Materials Processing Institute of Japan (Chair of Marine Resources Commission)
- International Marine Minerals Society (IMMS)
- Marine Technology Society (Japan Section)

**International meetings/conferences attended (selection)**

1995	Speaker and participant, the First (1995) ISOPE Ocean Mining Symposium, Tsukuba, Japan
2001	Staff, 29th Annual Session, SOPAC Governing Council, Majuro, Marshall Islands
2002	Speaker and Staff, 30th Annual Session, SOPAC Governing Council, Suva, Fiji
2002	Speaker and participant, 33rd Underwater Mining Institute Annual Meeting (UMI2002), Wellington, New Zealand
2003	SOPAC Delegation, International Seabed Authority (ISA) Scientists Meeting for Geological Model, Kingston, Jamaica
2004	Head of Japanese Delegation, 33rd Annual Session SOPAC Governing Council, Suva, Fiji
2005	Head of Japanese Delegation and Speaker, 34th Annual Session SOPAC Governing Council, Apia, Samoa
2006	Speaker and participant, 36th Underwater Mining Institute Annual Meeting (UMI2006), Kiel, Germany
2007	Technical Program Co-Chairs and Hosts, 37th Underwater Mining Institute Annual Meeting (UMI2007), Tokyo, Japan
2008	Participant, 38th Underwater Mining Institute Annual Meeting (UMI2008), Mississippi, United States of America
2010	Participant, 39th Underwater Mining Institute Annual Meeting (UMI2010), Gelendzhik, Russian Federation
2011	Participant and Speaker, 40th Underwater Mining Institute Annual Meeting (UMI2011), Hilo, Hawaii, United States of America
2012	Participant, 41st Underwater Mining Institute Annual Meeting (UMI2012), Shanghai, China

- 2013 Participant, 42nd Underwater Mining Institute Annual Meeting (UMI2013), Rio de Janeiro, Brazil
- 2014 Participant, 43rd Underwater Mining Institute Annual Meeting (UMI2014), Lisbon, Portugal

### **Main publications**

Resource Potential of Hydrothermal Activities on the East Pacific Rise (8°N-14°N), Proceedings of the First (1995) ISOPE Ocean Mining Symposium, Tsukuba, Japan, 21-22 November, pp. 139-147, 1995.

Preliminary Cruise Report on the Japan/SOPAC Deep-sea Cooperative Mineral Resources Study Program, R/V Hakurei-Marun No. 2, Marshall Islands, SOPAC Preliminary Report 152, 2002.

Summary of the Japan/SOPAC Deep-sea Mineral Resources Research Program, Triple Junction in North Fiji Basin, Hakurei-Marun No. 2 Cruise, Fiji, SOPAC Technical Report 355, 2002.

Japan/SOPAC deep-sea mineral resources study programme — Stage II (2000-), Abstract presented at the STAR Session 2002, SOPAC Miscellaneous Report 487, pp. 48-49, 2002.

The review of results of the R/V Hakurei-Marun No. 2 Cruise on the Japan/SOPAC Cooperative Deep-sea Mineral Resources Study Project, 2000-2002 — Focus on the results of marine short drilling around the Triple Junction in the North Fiji Basin during the 2001 survey cruise, 33rd Underwater Mining Institute Annual Meeting, 13-18 November, Wellington, New Zealand, 2002.

Summary Report on the Results of Phase 1 (2000-2002) of Stage II of the Japan/SOPAC Cooperative Deep-sea Mineral Resources Study Programme with Future Initiatives of the Programme from 2003 to 2005, Abstract presented at the STAR Session 2003, SOPAC Miscellaneous Report 549, p. 42, 2003.

Current Activities of Exploration and Metallurgical Technology for Cobalt-rich Ferro-Manganese Crusts, Proceedings of the Mining and Materials Processing Institute of Japan, 2004 (*in Japanese*).

Deep-sea Mineral Potential in the South Pacific Region — Review of the Japan/SOPAC Deep-sea Mineral Resources Study Programme, Occasional Papers No. 41, Kagoshima University Research Center for the Pacific islands, pp. 21-30, 2005.

Japan-SOPAC Cooperative Deep-sea Mineral Resources Study Programme: The summary of the programme, Abstract presented at the STAR Session 2005, SOPAC Miscellaneous Report 603, pp. 50-51, 2005.

Deep-Sea Mineral Potential in the South Pacific Waters — The Results of the 21-Year Long-Term Japan/SOPAC Cooperative Deep-Sea Mineral Resources Study Programme, 1985-2005, 36th Underwater Mining Institute Annual Meeting, 24-30 September, Kiel, Germany, 2006.

Deep-sea Mineral Potential of the South Pacific Waters, 37th Underwater Mining Institute Annual Meeting, October 15-20, Tokyo, Japan, 2007.

Geophysical and Geological Exploration of Cobalt-rich Ferromanganese Crusts: Attempt at Small-Scale Mapping on a Micronesian Seamount, *Marine Georesources and Geotechnology*, Vol. 28, Issue 3, pp. 192-206, 2010.

Regional Distribution of Co-Rich Ferromanganese Crusts and Evolution of the Seamounts in the Northwestern Pacific, *Marine Georesources and Geotechnology*, Vol. 32, Issue 3, pp. 187-206, 2014.

The Summary of Environmental Baseline Survey for Mining the Cobalt-rich Ferromanganese Crust on Deep Seamount in Japan's License Area, Eleventh Ocean Mining and Gas Hydrates Symposium, 21-27 June, Kona, Hawaii, United States of America, 2015.

Deep-sea Mineral Potential in the South Pacific Regions, *Journal of MMIJ*, Vol. 131, No. 12, pp. 597-601, 2015 (*in Japanese*).

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