Program of Vietnam/Japan Research/HRD Forum on Nuclear Technology-Ⅹ

Place of Forum: Meeting room of Nuclear Training Center

| Time | Title | Name | MC/Responsible |
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| March28 (Thursday), 2019 |
| 8:00－8:30 | Registration |
|  | Opening Ceremony |
| 8:30－8:40 | Opening Remark | Mr. Takehiro TSUCHIYA | V: Dr. Tran Ngoc ToanJ:TomoakiShirakawa |
| 8:40－8:50 | Opening Remark | Dr. Tran Chi Thanh |
| 8:50－9:00 | Opening Remark | Dr. Masaki SAITO |
| 9:00－9:10 | Photograph | － |
|  | Session 1 (Hot topics in Vietnam and Japan) Presentation 25 minutes, Q&A 5 minutes  |
| 9:10－9:30 | (S1-1-J) Current Status of Nuclear Power in Japan | Mr. Yuji TAKAHASHI(JINED) | V: Dr. Tran Ngoc ToanJ: Fumiaki Yamamoto |
| 9:30－9:50 | (S1-2-V) Status of the Research Center for Nuclear Energy Science and Technology (RCNEST) | Dr. Tran Chi Thanh(VINATOM) |
| 9:50－10:10 | Tea Break Hosted by Vietnam |
|  | Session2-1 (Radiotherapy)　 Presentation 25 minutes, Q&A 5 minutes |
| 10:10－10:40 | (S2-1-J) Proton Therapy | Dr. Shigekazu FUKUDA(National Institute of Radiological Sciences) | V: Dr. Tran Ngoc ToanJ:Ming-Rong Zhang |
| 10:40－11:10 | (S2-2-V) Recent Advances in cancer diagnosis and treatment in Vietnam | Prof. Mai Trong Khoa (Bach Mai Hospital) |
| 11:10－11:40 | (S2-3-J) Development and Production of Radioprobes for Positron Emission Tomography and Targeted Radionuclide Therapy in Japan | Dr. Minoru SUZUKI(Kyoto University) |
| 11:40－12:10 | (S2-4-V)Development of technologies in preparation of radiopharmaceuticals based on monoclonal antibodies for diagnostic and targeted cancer therapy | Dr. Nguyen Thi Thu (DalatNuclear Research Institute) |
| 12:10－13:30 | Lunch Break |
|  | Session 2-2(Radiotherapy) Presentation 25 minutes, Q&A 5 minutes |
| 13:30 – 14:00 | (S2-5-V) 30 MeV Cyclotron produced Radiopharmaceutical in Vietnam  | Pharm. Nguyen Khac That (108 Military Central Hospital) | V: Mr. Do Duc ChiJ:Taiga YamayaV: J: Taiga Yamaya |
| 14:00－14:30 | (S2-6-J) Medical and Physical Research of BNCT Using Nuclear Reactor | Dr. Yoshinori SAKURAI(Kyoto University) |
| 14:30－15:00 | (S2-7-V) Advances in external beam radiation therapy for cancer treatment | Dr. Bui Quang Bieu(108 Military Central Hospital) |
| 15:00 – 15:30 | (S2-8-V) Concurrent chemo radiotherapy for T3–4 and N0–1nasopharyngeal cancer: Asian multicenter trial of theForum for Nuclear Cooperation in Asia | Dr. Dang Huy Quoc Thinh (Ho Chi Minh City Cancer Center) |
|  | Site visit |
| 15:30 – 17:20 | 108 Hospital（1 Trần HưngĐạo Street, HoanKiem District, Hanoi, Vietnam） | Mr. Bui Quang Bieu |
| 18:30－20:00 | Reception Co-Sponsored by VINATOM and Japan @ Sen 60 Ly Thai To  |

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| March29 (Friday), 2019 |
|  | Session 2-3 (Radiotherapy)  Presentation 25 minutes, Q&A 5 minutes |
| 8:30－ 9:00 | (S2-9-J) Overview of accelerator-based neutron source for boron neutron capture therapy | Dr. Hiroki TANAKA(Kyoto University) | V: Mr. Pham Quang TrungJ:Minoru Suzuki |
| 9:00－ 9:30 | (S2-10-V)Simulation of the image-based 3D dose distribution by Geant4: Application to liver cancer treatment with 90Y | Dr. Phan Viet Cuong (Vinagamma Center, Danang) |
| 9:30－ 10:00 | (S2-11-J) Features of the Particle and Heavy Ion Transport Code System PHITS and its Applications to Medical Physics | Dr. Tatsuhiko SATO(JAEA) |
| 10:00－10:20 | Tea Break Hosted by Vietnam |
| 10:20－10:50 | (S2-12-V)Comparison and evaluation of the accuracy of dose distribution of photon beams in heterogeneous density regionscalculated with the AAA and Acuros algorithms in Eclipse 13.6 with Geant4/GATE Monte-Carlo simulations | Dr. Pham Quang Trung (108 Military Central Hospital) | V: Mr. Phan Viet CuongJ:Yoshinori Sakurai |
| 10:50－11:20 | (S2-13-J) Real-time tumor tracking radiotherapy for moving targets using a gimbal mounted linac | Dr.Mitsuhiro NAKAMURA(Kyoto University) |
| 11:20－11:50 | (S2-14-V)Challenges of Applying New Advanced techniques in Radiation Therapy at Vietnamese’s Hospitals | Mr. Tran Cuong (Cho Ray Hospital) |
| 11:50－13:00 | Lunch Break |
|  | Session 3 (Nuclear Medicine)  Presentation 25 minutes, Q&A 5 minutes |
| 13:00－13:30 | (S3-1-J) Development of next generation positron emission tomography (PET) imaging technologies | Dr. Taiga YAMAYA(National Institute of Radiological Sciences) | V: Mr. Nguyen Khac ThatJ:Hiroki Tanaka |
| 13:30－14:00 | (S3-2-V) Current Status of Radioisotope and Radiopharmaceutical Production at the Dalat Nuclear Research Reactor | Mr. Duong Van Dong (Dalat, Nuclear Research Institute) |
| 14:00－14:30 | (S3-3-J) Development and Production of Radioprobes for Positron Emission Tomography and Targeted Radionuclide Therapy in Japan | Dr. Ming-Rong Zhang(National Institute of Radiological Sciences) |
| 14:30－14:50 | Tea Break Hosted by Vietnam |
| 14:50－15:20 | (S3-4-V)Application of 30 MeV Cyclotron for Radiopharmaceutical Production and Research | Dr. Dam Nguyen Binh (108 Military Central Hospital)  | V: Mr. Nguyen Huu QuyetJ:Mitsuhiro NakamuraV: Mr. Nguyen Huu QuyetJ:Mitsuhiro Nakamura |
| 15:20－15:50 | (S3-5-J) Research and Development of 99Mo/99mTc Production Process by(n, γ) Method | Dr. Kunihiko TSUCHIYA (JAEA) |
| 15:50－16:20 | (S3-6-V)Research and Production of Radiopharmaceuticals in Hanoi Irradiation Center – orientation and international cooperation in research and development | Nguyen Quang Anh (Hanoi Irradiation Center) |
|  | Closing session |
| 16:20 – 16:30 | Summarized by Vietnam | DDr. Tran Ngoc Toan | V: Dr. Trinh Anh DucJ:Tomoaki Shirakawa |
| 16:30 – 16:40 | Summarized by Japan | Dr. Shigekazu FUKUDA |
| 16:40 – 16:45 | Closing remark | Dr. Tran Chi Thanh |
| 16:45 – 16:50 | Closing remark | Dr. Masaki SAITO |