

# 40<sup>th</sup> Anniversary of the 45MeV Electron Linac Laboratory

## I. Commemorative Ceremony

Time&Date: 9:00~17:10 Tuesday, 24<sup>th</sup> September

Place: Room C212 Faculty of Engineering

Program:

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|--|-----------------|--------------------|
|  | ( ) Chairperson |                    |
| 1 . Opening Address  | (Y. Kiyanagi)   | <b>9:00~9:15</b>   |
| (Promotion of Quantum Radiation Research, MEXT)                                  | K. Kudoh        |                    |
| (Vice-President of Hokkaido Univ.)   | T. Mikami       |                    |
| (Dean of Faculty of Engineering)   | N. Baba         |                    |
| 2 . Address by Laboratory Chief and Facility Status Report                       | (Y. Kiyanagi)   | <b>9:15~9:45</b>   |
|  | M. Furusaka     |                    |
| 3 . Certificate of appreciation presentation                                     |                 | <b>9:45~9:55</b>   |
| 4 . Hokkaido University Electron Accelerator and World's Neutron Source          | (M. Furusaka)   | <b>9:55~10:55</b>  |
| 4.1 Design issues in spallation neutron sources and the role of a small facility | G. S. Bauer     | 9:55-10:25         |
| 4.2 Hokkaido-LANSCE collaboration on moderator development                       | E. Pitcher      | 10:25-10:55        |
| (10minutes break)  |                 |                    |
| 5 . 40 years history of the 45MeV Electron Linac Laboratory                      | (K. Asakura)    | <b>11:05~11:55</b> |
| 5.1 Neutron Science  | Y. Kiyanagi     | 11:05~11:30        |
| 5.2 Pulse Radiolysis   | T. Sumiyoshi    | 11:30~11:55        |
| 6 . J-PARC and HUNS (Tentative)  | (M. Ohnuma)     | <b>11:55~12:25</b> |
| (Director of J-PARC)   | Y. Ikeda        |                    |

## II. Status Reports of Compact Acceleration-driven Neutron Sources and related facility

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|  | (Co-hosted by UCANS) | <b>13:30~17:10</b> |
| (D. Bisello)   |                      |                    |
| 1. Progress Report on the Activities at the Bariloche electron Linac   | J. R. Granada        | 13:30~13:55        |
| 2. Activities at the Low Energy Neutron Source   | D. V. Baxter         | 13:55~14:20        |
| 3. PKUNIFTY: An RFQ Accelerator-driven Neutron Imaging Facility  | Z. Guo               | 14:20~14:45        |
| (Invited) Synergetic activities between KENS and HUNS on accelerator-driven neutron sources  | T. Otomo             | 14:45~15:15        |
| (15 min break)   |                      |                    |
| (H. M. Shimizu)  |                      |                    |
| 4. Properties and possible applications of Kyoto University Accelerator based Neutron Source   | S. Tasaki            | 15:30~15:55        |
| 5. Status of RIKEN Accelerator-driven Neutron Source   | Y. Otake             | 15:55~16:20        |
| 6. Delivery of the first 3-MeV proton and neutron beams at CPHS:A status report on accelerator and neutron activities at Tsinghua University | X. Wang              | 16:20~16:45        |
| 7. 30 MeV X-band Electron Linac Neutron Source for Nuclear Data Study for Fukushima Accident Analysis  | M. Uesaka            | 16:45~17:10        |