

1. Title (both in English for a domestic workshop/conference)	The 3rd Workshop on Signal processing and data acquisition infrastructure (SPADI2025)
2. List of members of the organizing committee with full name and affiliation	Shinsuke Ota (RCNP) Manabu Miyabe (Tohoku Univ. RARiS) Ryotaro Honda (KEK) Hidetada Baba (RIKEN Nishina Center) Kotaro Shirotori (RCNP) Nobuyuki Kobayashi (RCNP) Taku Gunji (Univ. of Tokyo CNS)
3. Period of workshop / conference	24/03/2025 - 25/03/2025
4. Venue	RARIS Mikamine Campus, Tohoku University
5. Description of the results	The workshop addressed the increasing demand for high-speed data acquisition in experiments due to advancements in accelerators, detector segmentation, and waveform data acquisition. It highlighted the need for high-speed event discrimination technology to extract physical events from large volumes of background noise, a challenge shared by various research facilities and experimental groups. The limitations of individual development and maintenance efforts were discussed, along with the potential for constructing a new data acquisition system infrastructure through the integration and standardization of diverse developments across facilities, which could also lead to cost reduction. The workshop also presented the progress of the SPADI Alliance, initiated in 2022, in community-wide collaborative research on continuous readout data acquisition systems, including implementation tests at RCNP, J-PARC, and RARiS, and discussions on scaling up the systems. Approximately 60 participants attended the workshop, where 21 presentations were given, and discussions were held on the current state of SPADI Alliance developments and strategies for maintaining the development structure.
6-1. Numbers of participants from overseas	0
6-2. Numbers of male participants	56
6-3. Numbers of female participants	4
7. URL of the webpage	<a href="https://indico.rcnp.osaka-u.ac.jp/event/2469/">https://indico.rcnp.osaka-u.ac.jp/event/2469/</a>