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## Recent development and future direction of ring-type synchrotron light sources in Japan

*Friday, 24 May 2024 11:30 (30 minutes)*

The 4th generation synchrotron light sources and energy recovery linacs progress greatly in Japan. The first 4th generation synchrotron light source in Asia, NanoTerasu, has been constructed through a public-private regional partnership, whereas soon SPring-8 is to be upgraded. The energy recovery linac, which features not only high brightness but also sustainability as the cERL, and its related technology such as DC gun injectors have been developed, also. The talk will present an overview and future direction of synchrotron radiation light sources in Japan, with a particular focus on recent advances in NanoTerasu.

### Footnotes

### Funding Agency

### Paper preparation format

### Region represented

Asia

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