



Contribution ID: 1055

Type: Plenary talk

SPring8-II and beyond -Challenge to a high-performance greener light source

Tuesday 27 August 2024 10:15 (30 minutes)

Advanced light sources are expected to accelerate the transition to a sustainable society through a variety of outcomes that contribute to innovation in industrial and living human infrastructure. In response to these demands, light sources themselves need to change to greener systems compromising higher performance with energy and material savings. Along this direction, we have gradually and continuously developed accelerator-based light sources at the SPring-8 site. This talk will start with the background of promoting greener light sources and outline several approaches achieving more environmentally friendly light sources. Then, the talk will overview a roadmap for the long-term upgrade of light source complex at the SPring-8 site and the SPring-8-II project, on-going greener high-performance upgrade of current SPring-8. The talk will also introduce the concept, targets and ongoing R&D of SACLA-II following the SPring-8-II project.

I plan to submit also conference proceedings

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