

The background of the slide is an aerial photograph of a coastline. The top half shows deep blue ocean water with white-capped waves. The bottom half shows a rocky shoreline with clear, shallow turquoise water revealing the seabed and some green algae. White surf is visible where the water meets the rocks.

The 4th Yamada Symposium on Advanced Photons & Science Evolution

H. Ejiri APSE Chair RCNP Osaka

**Welcome all of you coming to Osaka,
many far from Japan, to join APSE2010 &
to illuminate science frontiers with new lights
penetrating deep into the science sea**



Yamada Science Foundation for the promotion of the natural science

[TOP](#)

[Overview](#)

[Supporting Programs](#)

[Yamada Conference](#)

[Yamada Symposium](#)

[Progress Report](#)

[New](#)

[Past](#)



Ἡ ΑΛΗΘΕΙΑ ΕΛΕΥΘΕΡΩΣΕΙ ΨΜΑΣ

The truth liberates mankind

YSF : Host institute of YS4 APSE2010
YS has started on the YSF 25th anniversary
It aims at discussion on new science frontiers
and future perspectives over generations and
fields to promote new development of science

YS1 2003 NDM03
Neutrinos and Dark
Matter in Nuclear Physics

YS2 2005 Key Natural
Organic Molecules in
Biological Systems

YS3 2007 From Chaos to
Cosmos: Integration in
Biological Systems

PRESENT YS4-APSE2010
Advanced Photons and Science evolution



A photograph of a bright sun low on the horizon over a dark, choppy ocean. The sun's rays create a shimmering path of light across the water's surface. The sky is a pale blue with a few wispy clouds. The overall mood is one of dawn or dusk, symbolizing new beginnings or enlightenment.

New lights are shining

**New photon sources and spectroscopy of
lasers, SR, FEL, lasers scattering off GeV-e
are casting new lights on science frontiers.**

Subjects discussed in APSE will include

- **Photon and laser physics.**
- **Condensed matter, EM matter, molecular & atom science, and nuclear & particle physics by advanced photon probes and spectroscopy.**
Advanced photons in meV, eV, keV, MeV, GeV from lasers and electron accelerators.
- **So, APSE aims at helping weave**
- **new science evolution by means of**
- **warp threads of various science fields and**
- **weft threads of advanced photons.**
- **Active discussions are encouraged through APSE**
- **Allocated time includes 7~3 min. discussion time**

Visit SPring-8 & Sessions IX, X, XI June 16th

Sign up on the sheet at the registration desk ASAP



8 GeV electron ring for synchrotron radiation and
LEPS GeV gamma rays for nuclear particle physics

17th 1420-1730 Tours

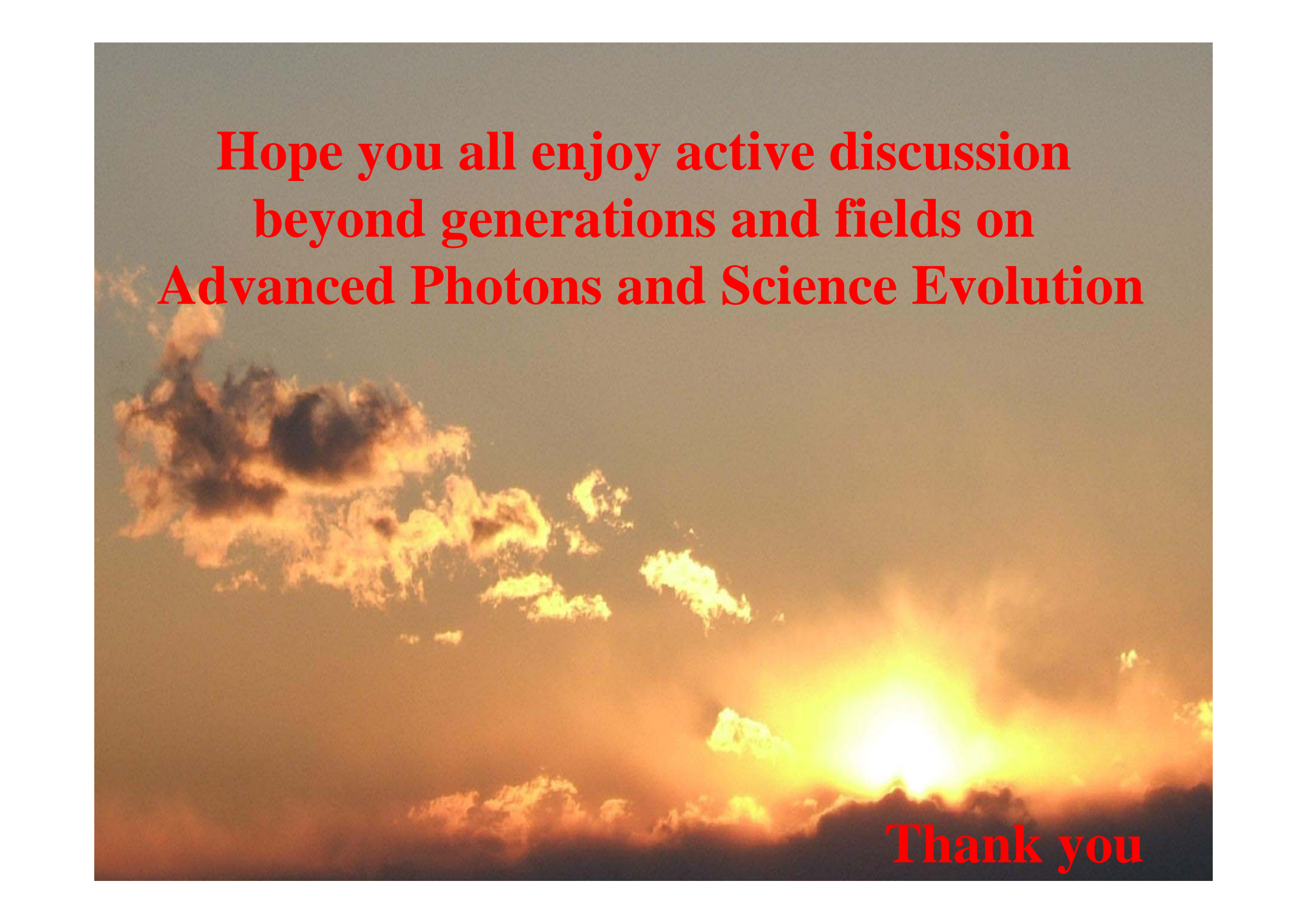
A: Lab. tours: RCNP and ILE in Osaka Univ.



B. Museum of Ethnology

C: Free Senri town





**Hope you all enjoy active discussion
beyond generations and fields on
Advanced Photons and Science Evolution**

Thank you