

# PHOTON FACTORY, IMSS, KEK



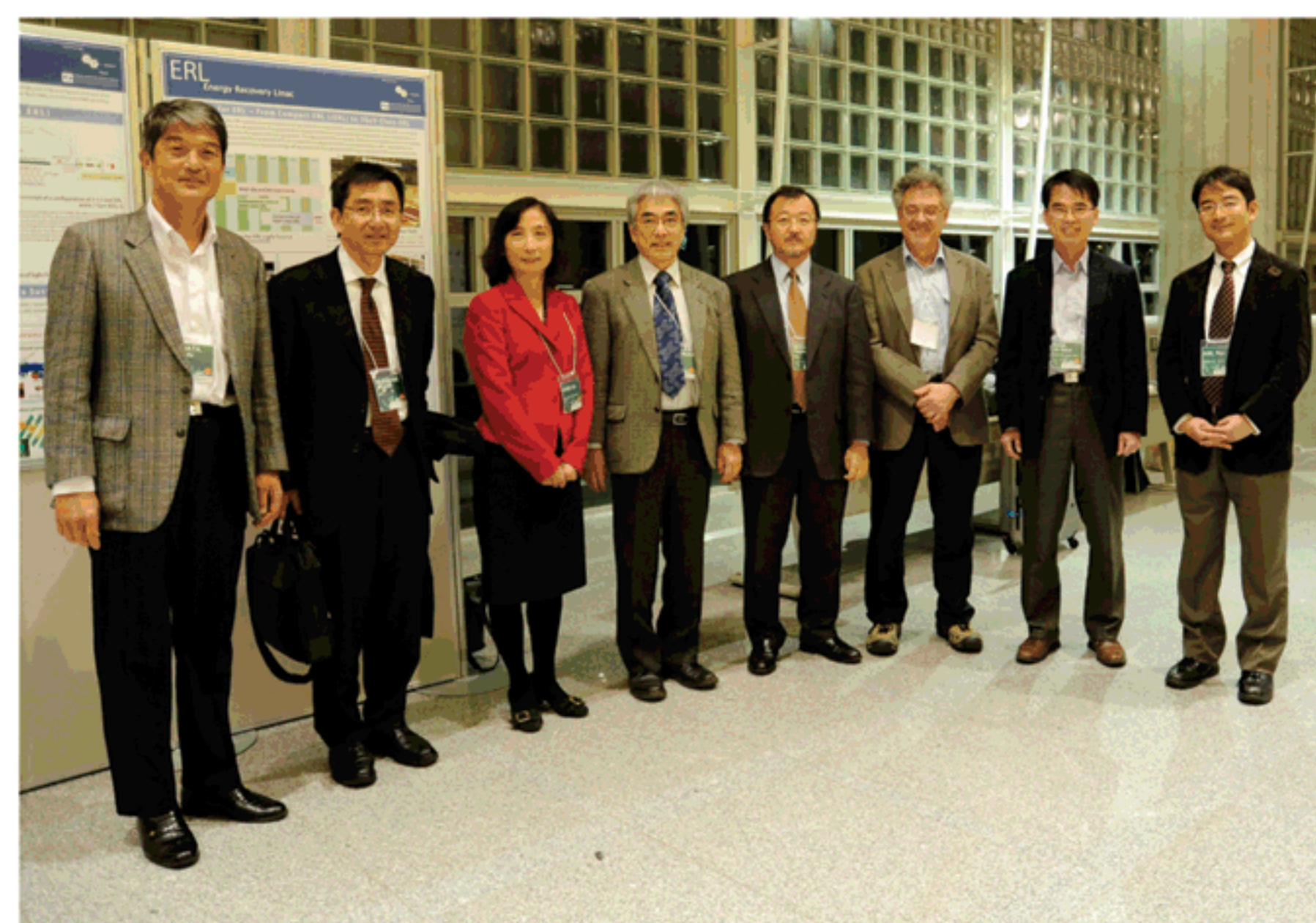
Merry Christmas and a Happy New Year! We are very glad to report that we have made significant progress toward repairing the serious damage caused by the earthquake on March 11. As stated on the last information page of this journal, we successfully delivered light beams to the experimental halls of both the PF-Ring and PF-AR-Ring and began a test beam period dedicated to inspecting the beamlines and experimental equipment. We successfully concluded this inspection period on July 7 without any serious problems. We cordially express our gratitude to all of the PF users for their cooperation with us during the inspections.

As mentioned on the last information page, we received many kind offers of beamtime from all over the world. With our most sincere gratitude, we report that as many as 120 experiments were performed at domestic facilities, namely, SPring-8, SAGA-LS, UVSOR, HiSOR, RITS-SR, and NewSUBARU. On the other hand, approximately 20 experiments are either planned to be performed this fall or have already been performed at international facilities such as NSRRC, SSRF, ESRF, SSRL, MAX, ALS, and AS.

The fourth IMSS symposium was held on December 6 and 7 at the EPOCHAL, Tsukuba International Congress Center. This year we highlighted future ERL sciences and strongly correlated systems, under the main theme of this symposium, "Prospects of Quantum Beam Sciences at IMSS." Regarding the first point, we invited two outstanding guest speakers, Prof. R. Abe from Hokkaido University and Prof. L. X. Chen from Argonne National Laboratory, to discuss solar hydrogen production and solar energy research, respectively. We also invited Prof. S. Gruner from Cornell University to give us a summary of the "Science at the Hard X-ray Diffraction Limit (XDL)-2011" Workshops and the Cornell ERL Project. Regarding strongly correlated systems, we divided this subject area into four hot topics: order of electronic degrees of freedom, electron correlation at a surface/interface, fundamental research toward organic electronics, and order/disorder of soft/bio matter induced by charge. To our pleasure, the symposium was very productive, thanks to the very exciting scientific talks from the guest speakers and the very enthusiastic audiences.



Group photo of all the participants.



(From left to right) Prof. H. Kawata, Prof. Y. Murakami, Prof. L. X. Chen, Prof. O. Shimomura, Prof. S. Wakatsuki, Prof. S. Gruner, Prof. J. G. Park, and Prof. R. Abe.

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