

# Trapped Charged Particles and Fundamental Physics 2014

December 1 – 5, 2014

Takamatsu, Shikoku Island, Japan

1<sup>st</sup> circular

The sixth international conference on Trapped Charged Particles and Fundamental Physics (TCP2014) will be held in Takamatsu, on the Japanese island of Shikoku, during December 1 – 5, 2014. This conference belongs to the series of conferences started in Lysekil (Sweden) in 1994, followed by a conference at Asilomar (USA) in 1998, Wildbad Kreuth (Germany) in 2002, Parksville on Vancouver Island (Canada) 2006 and Saariselkä, northern Finland in 2010. The conference in Takamatsu will focus on recent developments and highlights in the field of trapped charged particles. In particular, it will address the following scientific fields:

- Fundamental Interactions and Symmetries
- Quantum and QED Effects
- Precision Spectroscopy and Frequency Standards
- Anti-Hydrogen
- Plasma Effects and Collective Behavior
- Ion Traps for Radioactive Nuclei and Highly Charged Ions
- Storage Ring Physics
- Applications of Particle Trapping: Chemistry, Trace Analysis, ...



The conference will consist of both invited and contributed lectures, as well as a poster session. The conference venue will simultaneously host the 11<sup>th</sup> International Workshop on Non-Neutral Plasmas (NNP2014) and a joint session will be held.

The TCP conference will be preceded by a school on Trapped Charged Particles at RIKEN in Wako, Japan, during November 28-29. This will provide a perfect opportunity for graduate students to directly interact with and gain knowledge from leading figures in the field of trapped-ion physics prior to the conference.

The Takamatsu area is accessible by air and train. The conference venue is reachable within 3 hours by bus or train from Kansai airport (KIX) near Osaka, Japan. Domestic flights connect Takamatsu airport (TAK) with Haneda airport (HND), while international connections can be made through Seoul (ICN), Shanghai (PVG), and Taipei (TPE).

Takamatsu provides a beautiful view of the Seto Inland Sea. Excursions featuring cultural, artistic and culinary attractions are foreseen.

Up-to-date conference information will be available at the conference website <http://tcp2014.riken.jp> or by emailing “tcp2014 at riken.jp”



## Local Organizers (tentative):

H. Higaki, Hiroshima University

A. Ozawa, Tsukuba University

P. Schury, RIKEN (Scientific Secretary)

T. Uesaka, RIKEN

N. Nakamura, University of Electro-Communications

Y. Sakemi, CYRIC, Tohoku University

H. Ueno, RIKEN

M. Wada, RIKEN (Chair)

## International Advisory Committee (tentative):

J. Äystö, University of Helsinki

K. Blaum, MPI for Nuclear Physics, Heidelberg

A. Czarnecki, U. Alberta

M. Doser, CERN

A. Jokinen, University of Jyväskylä

Y.-K. Kim, IBS, Daejeon

X. Ma, Institute of Modern Physics, Lanzhou

G. Savard, ANL/U. Chicago

R. Schuch, Stockholm University

M. Wada, RIKEN

D. Wineland, NIST Boulder

G. Bollen, NSCL/MSU

J. Bollinger, NIST Boulder

J. Dilling, TRIUMF

G. Gabrielse, Harvard University

K. Jungmann, KVI Groningen

H.-J. Kluge, GSI Darmstadt

O. Naviliat-Cuncic, NSCL/MSU

C. Scheidenberger, GSI Darmstadt

N. Severijns, U. Leuven

E. Widmann, S. Meyer Institute Vienna