



The Abdus Salam
**International Centre
for Theoretical Physics**
50th Anniversary 1964–2014



Activity SMR: **2614**

3 November 2014 7 November 2014

Total Number of Participants: 48

**Joint ICTP-IAEA Conference on Models and Data for
Plasma-Material Interaction in Fusion Devices**

DIRECTOR1. **BRAAMS Bastiaan Johan**UNITED STATES OF
AMERICA

Permanent Institute:

International Atomic Energy Agency IAEA
Nuclear Data Section
Division of Physical & Chemical Sciences NAPC
Department of Nuclear Sciences & Applications
P.O. Box 100
A-1400 Vienna
Austria

2. **CHUNG Hyun-Kyung**

REPUBLIC OF KOREA

Permanent Institute:

International Atomic Energy Agency IAEA
Nuclear Data Section
Division of Physical and Chemical Sciences
P.O. Box 100
Wagramer strasse 5
A-1400 Vienna
Austria

3. **SCANDOLO Sandro**

ITALY

Permanent Institute:

The Abdus Salam International Centre for
Theoretical Physics
Condensed Matter and Statistical Physics
Section
Strada Costiera 11
34151 Trieste
Italy

SPEAKER

4. **ALLAIN Jean Paul** UNITED STATES OF AMERICA
- Permanent Institute:
- University of Illinois
600 S. Goodwin Avenue
Urbana 61801
IL
United States of America
5. **BARASHEV ALEXANDER** UNITED KINGDOM
- Permanent Institute:
- Oak Ridge National Lab
PO BOX 2008 MS6301
Oak Ridge 37831
TN
United States of America
6. **BECQUART Charlotte** FRANCE
- Permanent Institute:
- Universite' Lille1
Unite' Materiaux et Transformations
59655 Villeneuve d'Ascq
France
7. **BORODIN Vladimir** RUSSIAN FEDERATION
- Permanent Institute:
- National Nuclear Research University Mephi
Kashirskoe highway 31
115409 Moscow
Moscow
Russian Federation
- Present Institute:
- I.V. Kurchatov Institute of Atomic Energy
Ul. Kurchatova. 46
P.O. Box 3402
123182 Moscow
Russian Federation
- Until: 31 December 2014
8. **CARO Alfredo** UNITED STATES OF AMERICA
- Permanent Institute:
- Los Alamos National Laboratory
2019A 23rd street
Los Alamos 87544
NM
United States of America
9. **CSÁNYI Gábor** HUNGARY
- Permanent Institute:
- University of Cambridge
Department of Engineering
Trumpington Street
CB2 1PZ Cambridge
United Kingdom

-
10. **DEMKOWICZ Mike** UNKNOWN
- Permanent Institute:
- Massachusetts Institute of Technology
77 Mass Ave
Cambridge 02139
MA
United States of America
11. **DUFFY Dorothy Margaret** UNITED KINGDOM
- Field: Radiation Damage
Topic: Modelling Radiation Damage In Materials
- Permanent Institute:
- Department of Physics and Astromony
University College London
Gower Street
London WC1E 6BT
United Kingdom
12. **ERHART Paul** GERMANY
- Permanent Institute:
- Chalmers University of Technology
Dept. of Applied Physics
S-41296 Gothenburg
Sweden
13. **FERRO Yves** FRANCE
- Field: Molecular And Solid State Calculations - Dft -
Topic: Nuclear Fusion - Plasma Surface Interactions
- Permanent Institute:
- Aix Marseille Universite'
Laboratoire Physique des Interactions
Ioniques et Moleculaires
Campus Universitaire de Saint Jerome
13397 cedex 20
Aix En Provence
France
14. **GANCHENKOVA Maria** RUSSIAN FEDERATION
- Permanent Institute:
- National Research Nuclear University MEPHI
Dept. of Materials Science
Kashirskoe shosse, 31
115409 Moscow
Russian Federation
15. **HARRISON Robert** UNITED KINGDOM
- Permanent Institute:
- Institute for Advanced Computational Science
Suite 230 Heavy Engineering
Stony Brook University
Stony Brook 11794-5250
United States of America

NAME and INSTITUTE	Nationality
<p>16. KATO Daiji</p> <p>Permanent Institute:</p> <p>National Institute for Fusion Science 322-6 Oroshi-cho Toki Gifu 509 5292 Japan</p>	JAPAN
<p>17. KRSTIC Predrag</p> <p>Permanent Institute:</p> <p>The State University of New York at Stony Brook Stony Brook 11794-3800 United States of America</p>	UNITED STATES OF AMERICA
<p>18. LINSMEIER Christian</p> <p>Permanent Institute:</p> <p>Forschungszentrum Julich GmbH 52425 Julich Germany</p>	GERMANY
<p>19. MANHARD Armin</p> <p>Permanent Institute:</p> <p>Max Planck Institut fuer Plasmaphysik Boltzmannstrasse 2 Garching bei Muenchen 85748 Garching Germany</p>	GERMANY
<p>20. MARIAN Jaime</p> <p>Permanent Institute:</p> <p>University of California at Los Angeles Dept. of Materials Science and Engineering 405 Hilgard Ave. Los Angeles United States of America</p>	UNITED STATES OF AMERICA
<p>21. MARINICA Mihai-Cosmin</p> <p>Permanent Institute:</p> <p>CEA Centre D'Etudes de Saclay Service de Recherches Metallurgie Physique F-91191 Gif Sur Yvette France</p>	FRANCE
<p>22. NGUYEN Duc</p> <p>Permanent Institute:</p> <p>Culham Centre for Fusion Energy EURATOM/CCFE Fusion Association Culham Science Centre, Abingdon Oxfordshire OX14 3DB United Kingdom</p>	UNITED KINGDOM

NAME and INSTITUTE	Nationality
<p>23. NORDLUND Kai Henrik</p> <p>Permanent Institute:</p> <p>University of Helsinki Division of Materials Physics Department of Physics P.O. Box 43 (Pietari Kalmink, 2) 00014 Helsinki Finland</p>	FINLAND
<p>24. ODA Takuji</p> <p>Permanent Institute:</p> <p>Seoul National University Bldg. 32 room 218 Gwanak-ro, Gwanak-gu Seoul 151-747 Republic of Korea</p>	JAPAN
<p>25. SANDOVAL Luis Alfredo</p> <p>Permanent Institute:</p> <p>Theoretical Division T1 Los Alamos National Laboratory MSB214 Los Alamos NM87545 United States of America</p>	COLOMBIA
<p>26. SUZUDO Tomoaki</p> <p>Permanent Institute:</p> <p>Center for Computational Science and e Systems Japan Atomic Energy Agency Tokai-mura, Naka-gun, Ibaraki Ibaraki 319-1195 Japan</p>	JAPAN
<p>27. URBAN Miroslav</p> <p>Field: Quantum Chemistry Topic: Electron Correlation, Intermolecular Interactions</p> <p>Permanent Institute:</p> <p>Institute of Materials, Faculty of Materials Science and Technology in Trnava, Slovak University of Technology in Bratislava JÁ-na Bottu 24 91724 Trnava Slovak Republic</p>	SLOVAK REPUBLIC
<p>28. WARRIER Manoj</p> <p>Permanent Institute:</p> <p>FEMS Bhabha Atomic Research Centre Visakhapatnam India</p>	INDIA
<p>29. WIRTH Brian</p> <p>Permanent Institute:</p> <p>University of Tennessee Department of Nuclear Engineering Knoxville 37996 United States of America</p>	UNITED STATES OF AMERICA

30. **YANG Zhongshi**

PEOPLE'S REPUBLIC OF
CHINA

Permanent Institute:

Chinese Academy of Sciences
Institute of Plasma Physics
P.O.Box 1126
Anhui Province
230031 Hefei
People's Republic of China

31. **ZHOU Hong-Bo**

PEOPLE'S REPUBLIC OF
CHINA

Permanent Institute:

Beihang University
Department of Physics
37 Xueyang Rd. Haidian District
100083 Beijing
People's Republic of China

PARTICIPANT

32. **Agraj Abhishek** INDIA
Field: Multi-Scale Materials Modeling
Topic: Molecular Dynamics, Kinetic Monte Carlo

Permanent Institute:

Test Blanket Module Division, Institute for
Plasma Research
Nr. Indira Bridge, BHAT
Gandhinagar 382428
Gujarat
India
33. **ALEXANDER Rebecca** INDIA
Field: Material Science, Solid State Physics
Topic: Modelling Of Radiation Defects

Permanent Institute:

Service de Recherches de Metallurgie
Physique
Commissariat A l'Energie atomique
Saclay
Bat 520
91191 Gif Sur Yvette Cedex
France
34. **BISSON Régis** FRANCE
Field: Plasma-Material Interaction
Topic: Laboratory Experiments

Permanent Institute:

PIIM
UMR7345
CNRS - Aix-Marseille Universitat
Avenue Escadrille Normandie-Niemen
13013 Marseille
France
35. **CERNUSÁK Ivan** SLOVAK REPUBLIC
Field: Theoretical Chemistry
Topic: Intermolecular Interactions

Permanent Institute:

Comenius University
Faculty of Natural Sciences
Department of Physical & Theoretical
Chemistry
Mlynska dolina CH-1
84215 Bratislava
Slovak Republic
36. **DUBE Charu Lata** INDIA
Field: Development Of Fusion Materials
Topic: Radiation Damage, Plasma Wall Interaction Study

Permanent Institute:

Institute for Plasma Research
Bhat village
Gandhinagar 382428
Gujarat
India

-
37. **GUTERL Jerome** FRANCE
 Field: Plasma Physics, Plasma Material Interactions
 Topic: Hydrogen Retention In Plasma Facing Components
 Permanent Institute:
 University of California, San Diego
 9500 Gilman Dr
 La Jolla 92093
 CA
 United States of America
38. **HODILLE Etienne** FRANCE
 Field: Materials For Nuclear Application
 Topic: Trapping Of Fuel In Plasma Facing Components
 Permanent Institute:
 CEA Cadarache, IRFM
 -
 13108 Saint Paul Lez Durance
 France
39. **IGITKHANOV Juri Levanovic** GERMANY
 Field: Plasma Wall Interaction
 Topic: Material Damage In Fusion Reactors
 Permanent Institute:
 Karlsruhe Institute of Technology
 Hermann-von-Helmholtz-Platz 1
 76344 Eggenstein Leopoldshafen
 Germany
40. **KLAVER Peter** NETHERLANDS
 Permanent Institute:
 FOM Institute DIFFER
 P.O. Box 1207
 3430BE Nieuwegein
 Netherlands
41. **LUNGU Petrica Cristian** ROMANIA
 Field: Fusion Plasma, Plasma Wall Interaction, Tva
 Topic: Plasma Wall Interaction In Fusion Devices
 Permanent Institute:
 National Institute of Laser, Plasma and
 Radiation Physics, Low Temperature Plasma
 Laboratory
 Atomistilor, 409
 077125 Magurele
 Ilfov
 Romania
42. **LÜTHI Bérengère Marie** FRANCE
 Field: Nuclear Materials
 Topic: Plasticity In Bcc Metals
 Permanent Institute:
 CEA Saclay
 DEN DANS DMN SRMP
 CEA Saclay
 91191 Gif Sur Yvette
 France

-
43. **MARKELJ Sabina** SLOVENIA
Field: Fusion
Topic: Deuterium Retention, Hydrogen Neutrals

Permanent Institute:

Jozef Stefan Institute
Jamova 39
1000 Ljubljana
Slovenia
44. **MATVEEV Dmitry** RUSSIAN FEDERATION
Field: Plasma-Material Interactions, Modelling
Topic: Material Mixing, Fuel Retention

Permanent Institute:

Forschungszentrum Juelich GmbH
Institute of Energy and Climate Research
Plasma Physics IEK-4
Wilhelm-Johnen Strasse
52425 Juelich
Germany
45. **NIETO PEREZ Martin De Jesus** MEXICO
Field: Nuclear Fusion Technology
Topic: Plasma Facing Components

Permanent Institute:

Instituto Politecnico Nacional
CICATA
Cerro Blanco 141 Colinas del Cimataro
Queretaro 76090
QRO
Mexico
46. **POLVI Jussi** FINLAND
Field: Computational Materials Physics
Topic: Md, Radiation Damage, Plasma Facing Materials

Permanent Institute:

Accelerator laboratory, Division of Materials
Physics, Department of Physics, University of
Helsinki
Pietari Kalmin katu 2 (P.O. Box 43)
00014 Helsinki
Finland
47. **RUTIGLIANO Maria** ITALY
Field: Molecular Dynamics Calculations
Topic: Gas-Surface Interaction

Permanent Institute:

Istituto di Metodologie Inorganiche e dei
Plasmi
CNR IMIP

Via G. Amendola 122/D
70126 Bari
Italy

48. **WELLS Jack**UNITED STATES OF
AMERICA

Field: Computational Materials Sciences & Chemical Physic

Topic: Radiation-Matter Interactions, Collision Physics

Permanent Institute:

Oak Ridge Leadership Computing Facility,
Oak Ridge National Laboratory
One Bethel Valley Road
Oak Ridge 37831-2008
Tennessee
United States of America