



*The Abdus Salam*  
**International Centre for Theoretical Physics**



Activity SMR: **2327**

# **Joint ICTP-IAEA Workshop on Fusion Plasma Modelling using Atomic and Molecular Data**

23 January 2012 - 27 January 2012  
Trieste - ITALY

**Total Number of Visitors: 37**

**Preliminary List of Participants**

No.	NAME and INSTITUTE	Nationality	Function
<b>DIRECTOR</b>		<b>Total number in this function: 2</b>	
1.	<b>BRAAMS Bastiaan Johan</b>	UNITED STATES OF AMERICA	<b>DIRECTOR</b>
	Research Field :		
	Research Topic :		
	Permanent Institute: International Atomic Energy Agency IAEA Nuclear Data Section Division of Physical & Chemical Sciences NAPC Department of Nuclear Sciences & Applications NA P.O. Box 100 A-1400 Vienna AUSTRIA Permanent Institute e mail b.j.braams@iaea.org		
2.	<b>NIEMELA Joseph</b>	UNITED STATES OF AMERICA	<b>LOCAL ORGANIZER</b>
	Research Field : <b>LOW TEMPERATURE PHYSICS</b>		
	Research Topic : <b>FLUID TURBULENCE</b>		
	Permanent Institute: Abdus Salam International Centre for Theoretical Physics Strada Costiera 11 34014 Trieste ITALY Permanent Institute e mail niemela@ictp.it		

No.	NAME and INSTITUTE	Nationality	Function
<b>LECTURER</b>		<b>Total number in this function: 9</b>	
3.	<b>ALLOUCHE Alain</b> Research Field : <b>SURFACE PHYSICS</b>  Research Topic : <b>PLASMA FACING MATERIALS IN TOKAMAKS</b>  Permanent Institute: Universite' de Provence Lab. de La Physique des Interactions Ioniques et Moleculaires Campus Universitaire de Saint Jerome Avenue de l'Escadrille Normandie-Niemen Service 242 13397 Marseille Cedex 20 FRANCE Permanent Institute e mail alain.allouche@univ-provence.fr	FRANCE	<b>LECTURER</b>
4.	<b>CHUNG Hyun-Kyung</b> Research Field :  Research Topic :  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 Permanent Institute e mail h.Chung@iaea.org	REPUBLIC OF KOREA	<b>LECTURER</b>
5.	<b>HUTTON Roger Kevin</b> Research Field : <b>ATOMIC PHYSICS</b>  Research Topic : <b>ATOMIC SPECTROSCOPY/ PLASMA DIAGNOSTICS</b>  Permanent Institute: Modern Physics Institute, Fudan University 220 HanDan Road 200433 Shanghai PEOPLE'S REPUBLIC OF CHINA Permanent Institute e mail rhutton@fudan.edu.cn	UNITED KINGDOM	<b>LECTURER</b>

No.	NAME and INSTITUTE	Nationality	Function
6.	<p><b>NORDLUND Kai Henrik</b></p> <p>Research Field :</p> <p>Research Topic :</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            Permanent Institute e mail kai.nordlund@helsinki.fi</p>	FINLAND	<b>LECTURER</b>
7.	<p><b>OYA Kaoru</b></p> <p>Research Field : <b>PARTICLE-MATERIAL INTERACTION</b></p> <p>Research Topic : <b>MOLECULAR DYNAMICS AND MONTE CARLO TOOS</b></p> <p>Permanent Institute:</p> <p>Institute of Technology &amp; Science            The University of Tokushima            2-1 Minamijosanjima-cho            770-8506 Tokushima            JAPAN            Permanent Institute e mail ohya@ee.tokushima-u.ac.jp</p>	JAPAN	<b>LECTURER</b>
8.	<p><b>RALCHENKO Yuri</b></p> <p>Research Field : <b>ATOMIC PHYSICS MODELLING</b></p> <p>Research Topic : <b>SPECTROSCOPY</b></p> <p>Permanent Institute:</p> <p>Quantum Measurements Division            National Institute of Standards &amp; Technology            MD 20899-8422 Gaithersburg            UNITED STATES OF AMERICA            Permanent Institute e mail yuri.ralchenko@nist.gov,            yralchen@nist.gov</p>	ISRAEL	<b>LECTURER</b>

No.	NAME and INSTITUTE	Nationality	Function
9.	<p><b>REITER Detlev Hermann</b>            Research Field : <b>BOUNDARY PLASMA MODELLING</b>             Research Topic : <b>MONTE CARLO CODES COUPLED TO NAVIER-STOKES CODES</b>             Permanent Institute:            Institute of Energy &amp; Climate Research            Plasma Physics            Forschungszentrum Julich GmbH            D-52425 Julich            GERMANY            Permanent Institute e mail d.reiter@fz-juelich.de,            d.reiter@eirene.de</p>	GERMANY	<b>LECTURER</b>
10.	<p><b>TELMINI Mourad</b>            Research Field : <b>COLD ATOMS PHYSICS, MOLECULAR PHYSICS</b>             Research Topic : <b>ATOM OPTICS, RYDBERG STATES, MOLECULAR DATA</b>             Permanent Institute:            LSAMA, Department of Physics, Faculty of Science of Tunis            El Manar            2092 Tunis            TUNISIA            Permanent Institute e mail mourad.telmini@fst.rnu.tn</p>	TUNISIA	<b>LECTURER</b>
11.	<p><b>ZIAJA-MOTYKA Beata</b>            Research Field :             Research Topic :             Permanent Institute:            HASYLAB at DESY            Notkestr. 85            D-22603 Hamburgq            GERMANY            Permanent Institute e mail beata.ziaja-motyka@desy.de</p>	POLAND	<b>LECTURER</b>

No.	NAME and INSTITUTE	Nationality	Function
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**PARTICIPANT**

**Total number in this function: 26**

12. **ARGOUBI Fatma** TUNISIA **PARTICIPANT**

Research Field : **MOLECULAR PHYSICS**

Research Topic : **RYDBERG STATES H2, S- SYMETRIES, RESONANCES Q2,DR**

Permanent Institute:

Faculty Of Science of Tunisia

University of Tunis el Manar

2092 Tunis

TUNISIA

Permanent Institute e mail argoubi\_fatma@yahoo.fr

13. **BANDELOW Gunnar** GERMANY **PARTICIPANT**

Research Field : **PLASMA PHYSICS**

Research Topic : **SIMULATION OF PLASMA**

Permanent Institute:

Max-Planck-Institut fuer Plasmaphysik

Teilinstitut Greifswald

Wendelsteinstraße 1

17491 Greifswald

GERMANY

14. **BARI Muhammad Abbas** PAKISTAN **PARTICIPANT**

Research Field : **ATOMIC PROCESSES IN HOT DENSE PLASMAS**

Research Topic : **CALCULATION OF ENERGY LEVELS**

Permanent Institute:

Pakistan Atomic Energy Commission

P.O. Box 1114

Islamabad

PAKISTAN

Permanent Institute e mail kmabari@gmail.com

No.	NAME and INSTITUTE	Nationality	Function
15.	<b>BOUDGHENE STAMBOULI RACHEDI Souad Wassila</b> Research Field : <b>ATOMIC PROCESS IN PLASMA</b>  Research Topic : <b>PLASMAS DIAGNOSTICS,POLARIZATION OF X-RAY LINES</b>  Permanent Institute: Universite Aboubeker Belkaid- Faculte des Sciences- Departement de Physique- Laboratoire de Physique Theorique B-P- 119- Pôle Chetouane 13000 Tlemcen Algérie ALGERIA Permanent Institute e mail rachedi_w@yahoo.fr	ALGERIA	<b>PARTICIPANT</b>
16.	<b>CHAKRABARTI Kalyan Kumar</b> Research Field : <b>ATOMIC AND MOLECULAR COLLISIONS</b>  Research Topic : <b>R-MATRIX CALCULATIONS ON SMALL MOLECULES; DISSOCIATIVE RECOMBINATION</b>  Permanent Institute: Department of Mathematics, Scottish Church College 1 and 3 Urquhart Square Kolkata 700 006 West Bengal INDIA Permanent Institute e mail kkch03@yahoo.com, kkch@eth.net	INDIA	<b>PARTICIPANT</b>
17.	<b>CHATTERJEE Vijay</b> Research Field : <b>PLASMA PHYSICS</b>  Research Topic : <b>PLASMA DIAGNOSIS AND USE IN THIN FILM DEVELOPMENT</b>  Permanent Institute: BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI PLASMA THIN FILM LAB 2, DEPARTMENT OF APPLIED PHYSICS, BIT, MESRA Ranchi 835215 JHARKHAND INDIA Permanent Institute e mail vijay7chatterjee@gmail.com	INDIA	<b>PARTICIPANT</b>

No.	NAME and INSTITUTE	Nationality	Function
18.	<p><b>CLEMENTSON Joel</b>            Research Field : <b>ATOMIC SPECTROSCOPY, FUSION PLASMA DIAGNOSTICS</b>            Research Topic : <b>X-RAY SPECTROSCOPY OF HIGHLY CHARGED TUNGSTEN IONS</b></p> <p>Permanent Institute:            Lawrence Livermore National Laboratory            7000 East Avenue, M/S L-490            Livermore 94551-0808            California            UNITED STATES OF AMERICA            Permanent Institute e mail clementson@llnl.gov</p>	SWEDEN	<b>PARTICIPANT</b>
19.	<p><b>DURAS Julia</b>            Research Field : <b>PLASMA PHYSICS</b>            Research Topic : <b>SIMULATION OF ION THRUSTERS</b></p> <p>Permanent Institute:            Ernst Moritz Arndt Universitaet Greifswald-            Universitaetsrechenzentrum-            Felix-Hausdorff-StraÙe 12            17489 Greifswald            GERMANY            Permanent Institute e mail julia.duras@uni-greifswald.de</p>	GERMANY	<b>PARTICIPANT</b>
20.	<p><b>EPEE EPEE Michel Douglas</b>            Research Field : <b>MOLECULAR DYNAMIC</b>            Research Topic : <b>DISSOCIATIVE RECOMBINATION OF ENERGETIC MOLECULES</b></p> <p>Permanent Institute:            Departement of physics,            Faculty of science,            University of Douala            Opposite UIT            Po.box 24 157            Douala            cameroon            REPUBLIC OF CAMEROON            Permanent Institute e mail epeemichel23@yahoo.fr</p>	REPUBLIC OF CAMEROON	<b>PARTICIPANT</b>



No.	NAME and INSTITUTE	Nationality	Function
21.	<b>FERRO Yves</b> Research Field : <b>MOLECULAR AND SOLID STATE CALCULATIONS - DFT -</b>  Research Topic : <b>NUCLEAR FUSION - PLASMA SURFACE INTERACTIONS</b>  Permanent Institute: Universite de Provence Laboratoire Physique des Interactions Ioniques et Moleculaires Campus Universitaire de Saint Jerome 13397 cedex 20 Marseille Bouches du Rhones FRANCE Permanent Institute e mail yves.ferro@univ-provence.fr	FRANCE	<b>PARTICIPANT</b>
22.	<b>GANGWAR Reetesh Kumar</b> Research Field : <b>ATOMIC AND MOLECULAR COLLISION PHYSICS</b>  Research Topic : <b>ELECTRON EXCITATION, PLASMA MODELING</b>  Permanent Institute: Department of Physics Indian institute of Technology IIT Roorkee IIT Roorkee Roorkee 247667 Uttarakhand INDIA Permanent Institute e mail reeteshkr@gmail.com	INDIA	<b>PARTICIPANT</b>
23.	<b>GULATI Pooja</b> Research Field : <b>PLASMA PHYSICS</b>  Research Topic : <b>PLASMA SPECTROSCOPY AND ATOMIC DATA ANALYSIS</b>  Permanent Institute: Plasma Devices Technology, Central Electronics Engineering Research Institute CEERI Pilani 333031 Rajasthan INDIA Permanent Institute e mail pgulati1585@rediffmail.com	INDIA	<b>PARTICIPANT</b>

No.	NAME and INSTITUTE	Nationality	Function
24.	<b>GUPTA Dhanoj</b> Research Field : <b>THEORETICAL ATOMIC AND MOLECULAR PHYSICS</b>  Research Topic : <b>ELECTRON SCATTERING CROSS SECTIONS FOR MOLECULES</b>  Permanent Institute: Department of Applied Physics, Indian School of Mines, Ism Campus Dhanbad 826004 Jharkhand INDIA Permanent Institute e mail dhanoj-sanjay@gmail.com	INDIA	<b>PARTICIPANT</b>
25.	<b>HOUARI BENSaid Rahma</b> Research Field : <b>PLASMA PHYSICS</b>  Research Topic : <b>ATOMIC PROCESSES , COLLECTIF PHENOMENON IN PLASMA</b>  Permanent Institute: Universite Aboubeker Belkaid- Faculte des Sciences- Departement de Physique- Laboratoire de Physique Theorique B-P- 119- Pole Chetouane 13000 Tlemcen ALGERIA Permanent Institute e mail r_bensaid@mail.univ-tlemcen.dz	ALGERIA	<b>PARTICIPANT</b>
26.	<b>KHALIL Ahmed Asaad Ibrahim</b> Research Field : <b>LASER PLASMA INTERACTIONS</b>  Research Topic : <b>LASER PLASMA INTERACTIONS</b>  Permanent Institute: Industrial Applications Lab, Laser Plasma Applications Department, National Institute of Laser Enhanced Science, NILES, Cairo University, Giza, Egypt 1 Cairo University street, Cairo University Campus 11111 Giza Cairo EGYPT Permanent Institute e mail ahmedasaad68@yahoo.com	EGYPT	<b>PARTICIPANT</b>  Present Institute: Physics Department, Faculty of science for Girles, Dammam University, Dammam, Saudi arabia Etisalat street, Faculty of science for Girles, Dammam University, Dammam 31113 Eastern Province, Box 838 SAUDI ARABIA Present Institute e-mail: ahmedasaad68@yahoo.com Until: <b>25 July 2012</b>

No.	NAME and INSTITUTE	Nationality	Function
27.	<p><b>LEWERENTZ Lars</b>            Research Field : <b>PLASMA PHYSICS</b></p> <p>Research Topic : <b>MAGNETIC RECONNECTION, DUSTY PLASMAS</b></p> <p>Permanent Institute:            Institute for Physics            Felix-Hausdorff-Str. 6            17489 Greifswald            Mecklenburg-Vorpommern            GERMANY            Permanent Institute e mail lleweren@ipp.mpg.de</p>	GERMANY	<b>PARTICIPANT</b>
28.	<p><b>NIYONZIMA Sebastien</b>            Research Field : <b>ATOMIC AND MOLECULAR PHYSICS</b></p> <p>Research Topic : <b>REACTIVE COLLISIONS</b></p> <p>Permanent Institute:            Universite du Burundi            Faculte des Sciences            Departement de Physique            10, Avenue de l'UNESCO            1550 Bujumbura            BURUNDI            Permanent Institute e mail niyonseba@yahoo.fr</p>	BURUNDI	<b>PARTICIPANT</b>
			<p>Present Institute:            Universite du Havre            UFR Sciences et Techniques            Laboratoire Ondes et Milieux Complexes LOMC            25 rue Philippe Lebon            76063 Le Havre            Haute Normandie            FRANCE            Present Institute e-mail: ns103060@etu.univ-lehavre.fr            Until: <b>31 October 2013</b></p>
29.	<p><b>OMARBAKIYEVA Yultuz</b>            Research Field : <b>PLASMA PHYSICS</b></p> <p>Research Topic : <b>SCATTERING OF ELECTRONS ON ATOMS</b></p> <p>Permanent Institute:            International Information Technologies University            Department of physics            Dzhandosov 8a            050060 Almaty            KAZAKHSTAN            Permanent Institute e mail yultuz@physics.kz</p>	KAZAKHSTAN	<b>PARTICIPANT</b>

No.	NAME and INSTITUTE	Nationality	Function
30.	<b>OUESLATI Houaida</b> Research Field : <b>MOLECULAR PHYSICS</b>  Research Topic : <b>RYDBERG STATES, MOLECULAR DATA, MOL. SPECTROSCOPY</b>	TUNISIA	<b>PARTICIPANT</b>
	Permanent Institute: Faculty of Science of Tunis Campus Universitaire 2092 - El Manar Tunis Tunis TUNISIA Permanent Institute e mail Houaida.Oueslati@esac.rnu.tn		
31.	<b>PATEL Prakash Manilal</b> Research Field : <b>THEORETICAL ATOMIC AND MOLECULAR PHYSICS</b>  Research Topic : <b>ELECTRONS SCATTERING BY ATOMS AND MOLECULES</b>	INDIA	<b>PARTICIPANT</b>
	Permanent Institute: V P and R P T P Science College Mota Bazar Vallabh Vidyanagar Gujarat 388120 INDIA Permanent Institute e mail drmpatel@yahoo.com		
32.	<b>RAMACHANDRAN Kandasamy</b> Research Field : <b>PLASMA SCIENCE</b>  Research Topic : <b>THERMAL PLASMA, MATERIAL PROCESSING, MODELLING</b>	INDIA	<b>PARTICIPANT</b>
	Permanent Institute: School of Mechanical Sciences Centre for Research in Material Sciences & Thermal Management Karunya University 641 114 Coimbatore Tamil Nadu INDIA Permanent Institute e mail kramachandran@karunya.edu		

No.	NAME and INSTITUTE	Nationality	Function
33.	<b>ROMERO NIETO Daniel</b> Research Field : <b>SIMULATIONS OF NANOMATERIALS</b>  Research Topic : <b>DYNAMIC SIMULATION, MATERIALS, NANOMATERIALS,</b>  Permanent Institute: University of Trieste Department Molecular Simulation Engineering Lab MOSE Piazzale Europa 1 Trieste 34127 ITALY Permanent Institute e mail alit_3@yahoo.com.mx	MEXICO	<b>PARTICIPANT</b>
34.	<b>SCHLUMMER Tobias</b> Research Field : <b>PLASMA SPECTROSCOPY, CRM, CXRS</b>  Research Topic : <b>COLLISIONAL RADIATIVE MODELLING</b>  Permanent Institute: Institute of Energy and Climate Research - Plasma Physics IEK-4 Forschungszentrum Juelich GmbH Leo Brandt Strasse 52428 Juelich GERMANY Permanent Institute e mail t.schlummer@fz-juelich.de	GERMANY	<b>PARTICIPANT</b>
35.	<b>TABET-BEDRANE Zeyneb</b> Research Field : <b>PLASMA PHYSICS</b>  Research Topic : <b>ELECTRON-ION COLLISIONS</b>  Permanent Institute: University of Tlemcen Abou Bakr Belkaid Institute of Physics B.P. 119 Bel Horizon 13000 Tlemcen ALGERIA Permanent Institute e mail zeyneb_bedrane@yahoo.fr	ALGERIA	<b>PARTICIPANT</b>

No.	NAME and INSTITUTE	Nationality	Function
36.	<b>VYAS Gheesa Lal</b> Research Field : <b>PLASMA PHYSICS</b>  Research Topic : <b>EXPERIMENTAL PLASMA PHYSICS (PENNING DISCHARGE)</b>  Permanent Institute: Birla Institute of Technology Department of Applied Physics 27, Malviya Industrial Area Jaipur Campus Jaipur 302017 INDIA Permanent Institute e mail glvyas27@gmail.com	INDIA	<b>PARTICIPANT</b>
37.	<b>YANG Yang</b> Research Field : <b>ATOMIC PHYSICS</b>  Research Topic : <b>DIAGNOSTICS OF PLASMA IN TOKAMAK</b>  Permanent Institute: Fudan University Institute of Modern Physics 220 Handan Road 200433 Shanghai PEOPLE'S REPUBLIC OF CHINA Permanent Institute e mail yangyang@fudan.edu.cn	PEOPLE'S REPUBLIC OF CHINA	<b>PARTICIPANT</b>