The Abdus Salam International Centre for Theoretical Physics

Joint ICTP/IAEA Workshop on Atomic and Molecular Data for Fusion

Cosponsor(s): International Atomic Energy Agency (IAEA, Vienna, Austria)
Organizer(s): Director: R.E.H. Clark (IAEA)Local Organizers: C. Tuniz and J. Niemela
Trieste - Italy, 20 - 30 April 2009

Venue: Leonardo da Vinci Building Euler Lecture Hall

Final programme

MONDAY, 20 APRIL 2009 (Room:Leonardo da Vinci Building Euler Lecture Hall)

20 April 2009

08:30 - 09:30	--- REGISTRATION / ADMINISTRATIVE FORMALITIES --- outside the Euler Lecture Hall - terrace level
09:30 - 10:00	**OPENING SESSION - Introduction**
10:00 - 11:00	**Alain DUBOIS** / *UMR/CNRS, Paris, France* **Heavy particle collision processes**
11:00 - 11:30	(Room: Leonardo da Vinci Building, Lobby) --- COFFEE BREAK ---
11:30 - 12:30	**Joseph ABDALLAH Jr.** / *Los Alamos, USA* **Use of atomic data in plasma modeling**
12:30 - 13:30	(Room: Leonardo da Vinci Building Cafeteria) --- LUNCH BREAK ---
13:30 - 14:30	**R.E.H. CLARK** / *IAEA, Vienna, Austria* **Calculation of atomic data for plasma modeling**
14:30 - 15:00	(Room: Leonardo da Vinci Building, Lobby) --- COFFEE BREAK ---

15:00 - 17:30 (Room: Computer Lab. (LB))
COMPUTER EXERCISES

18:30 - 20:30 (Room: Leonardo da Vinci Building Terrace)
--- RECEPTION ---

TUESDAY, 21 APRIL 2009 (Room:Leonardo da Vinci Building Euler Lecture Hall)

21 April 2009

09:00 - 10:00 **Discussion**

10:00 - 11:00 **Alain DUBOIS** / *UMR/CNRS, Paris, France*
Heavy particle collision processes continued

11:00 - 11:30 (Room: Leonardo da Vinci Building, Lobby)
--- COFFEE BREAK ---

11:30 - 12:30 **Joseph ABDALLAH Jr.** / *Los Alamos, USA*
Use of atomic data in plasma modeling continued

12:30 - 13:30 (Room: Leonardo da Vinci Building Cafeteria)
--- LUNCH BREAK ---

13:30 - 14:30 **Denis HUMBERT** / *IAEA, Vienna, Austria*
Atomic, molecular and particle-surface interaction web databases and data exchange

14:30 - 15:00 (Room: Leonardo da Vinci Building, Lobby)
--- COFFEE BREAK ---

15:00 - 17:30 (Room: Computer Lab. (LB))
COMPUTER EXCERCISES

WEDNESDAY, 22 APRIL 2009 (Room:Leonardo da Vinci Building Euler Lecture Hall)

22 April 2009

09:00 - 10:00 **Discussion**

10:00 - 11:00 **Alain DUBOIS** / *UMR/CNRS, Paris, France*
Heavy particle collision processes continued

11:00 - 11:30 (Room: Leonardo da Vinci Building, Lobby)
--- COFFEE BREAK ---

11:30 - 12:30 **Denis HUMBERT** / *IAEA, Vienna, Austria*
Atomic, molecular and particle-surface interaction web databases and data exchange continued

12:30 - 13:30 (Room: Leonardo da Vinci Building Cafeteria)
--- LUNCH BREAK ---

13:30 - 14:30 **R.E.H. CLARK** / *IAEA, Vienna, Austria*
Calculation of atomic data for plasma modeling continued

14:30 - 15:00 (Room: Leonardo da Vinci Building, Lobby)
--- COFFEE BREAK ---

15:00 - 17:30 **POSTER SESSION**
POSTER GALLERY behind the Main Lecture Hall (reception area)

THURSDAY, 23 APRIL 2009 (Room:Leonardo da Vinci Building Euler Lecture Hall)

23 April 2009

09:00 - 10:00 **Discussion**

10:00 - 11:00 **Denis HUMBERT** / *IAEA, Vienna, Austria*
Atomic, molecular and particle-surface interaction web databases and data exchange continued

11:00 - 11:30 (Room: Leonardo da Vinci Building, Lobby)
--- COFFEE BREAK ---

11:30 - 12:30 **Joseph ABDALLAH Jr.** / *Los Alamos, USA*
Use of atomic data in plasma modeling continued

12:30 - 13:30 (Room: Leonardo da Vinci Building Cafeteria)
--- LUNCH BREAK ---

13:30 - 14:30 **R.E.H. CLARK** / *IAEA, Vienna, Austria*
Calculation of atomic data for plasma modeling continued

14:30 - 15:00 (Room: Leonardo da Vinci Building, Lobby)
--- COFFEE BREAK ---

15:00 - 17:30 (Room: Computer Lab. (LB))
COMPUTER EXERCISES

FRIDAY, 24 APRIL 2009 (Room:Leonardo da Vinci Building Euler Lecture Hall)

24 April 2009

09:00 - 10:00 **Discussion**

10:00 - 11:00 **Joseph ABDALLAH Jr.** / *Los Alamos, USA*
Use of atomic data in plasma modeling continued

11:00 - 11:30 (Room: Leonardo da Vinci Building, Lobby)
--- COFFEE BREAK ---

11:30 - 12:30 **Denis HUMBERT** / *IAEA, Vienna, Austria*
Atomic, molecular and particle-surface interaction web databases and data exchange continued

12:30 - 13:30 (Room: Leonardo da Vinci Building Cafeteria)
--- LUNCH BREAK ---

13:30 - 14:30 **R.E.H. CLARK** / *IAEA, Vienna, Austria*
Calculation of atomic data for plasma modeling continued

14:30 - 15:00 (Room: Leonardo da Vinci Building, Lobby)
--- COFFEE BREAK ---

15:00 - 17:30 (Room: Computer Lab. (LB))
COMPUTER EXERCISES

MONDAY, 27 APRIL 2009 (Room:Leonardo da Vinci Building Euler Lecture Hall)

27 April 2009

09:00 - 10:00 **Discussion**

10:00 - 11:00 **Tilmann MAERK** / *Universitat Innsbruck, Austria*
Molecular processes in plasmas

11:00 - 11:30 (Room: Leonardo da Vinci Building, Lobby)
--- COFFEE BREAK ---

11:30 - 12:30 **Tilmann MAERK** / *Universitat Innsbruck, Austria*
Molecular processes in plasmas continued

12:30 - 13:30 (Room: Leonardo da Vinci Building Cafeteria)
--- LUNCH BREAK ---

13:30 - 14:30 **R.E.H. CLARK** / *IAEA, Vienna, Austria*
Calculation of atomic data for plasma modeling continued

14:30 - 15:00 (Room: Leonardo da Vinci Building, Lobby)
--- COFFEE BREAK ---

15:00 - 17:30 (Room: Computer Lab. (LB))
COMPUTER EXERCISES

TUESDAY, 28 APRIL 2009 (Room:Leonardo da Vinci Building Euler Lecture Hall)

28 April 2009

09:00 - 10:00 **Discussion**

10:00 - 11:00 **Thomas SCHWARZ-SELINGER** / *MPI, Munchen, Germany*
Plasma wall interactions in magnetic fusion

11:00 - 11:30 (Room: Leonardo da Vinci Building, Lobby)
--- COFFEE BREAK ---

11:30 - 12:30 **Detlev REITER** / *Forschungzentrum Juelich, Germany*
On the science of fusion boundary plasmas: atomic, molecular and surface processes

12:30 - 13:30 (Room: Leonardo da Vinci Building Cafeteria)
--- LUNCH BREAK ---

13:30 - 14:30 **J.W. DAVIS** / *University of Toronto, Canada*
Codeposition and plasma interaction with codeposited/mixed materials

14:30 - 15:00 (Room: Leonardo da Vinci Building, Lobby)
--- COFFEE BREAK ---

15:00 - 17:30 (Room: Computer Lab. (LB))
COMPUTER EXERCISES

WEDNESDAY, 29 APRIL 2009 (Room:Leonardo da Vinci Building Euler Lecture Hall)

29 April 2009

09:00 - 10:00 **Discussion**

10:00 - 11:00 **Thomas SCHWARZ-SELINGER** / *MPI, Munchen, Germany*
Plasma wall interactions in magnetic fusion continued

11:00 - 11:30 (Room: Leonardo da Vinci Building, Lobby)
--- COFFEE BREAK ---

11:30 - 12:30 **Detlev REITER** / *Forschungzentrum Juelich, Germany*
On the science of fusion boundary plasmas: atomic, molecular and surface processes continued

12:30 - 13:30 (Room: Leonardo da Vinci Building Cafeteria)
--- LUNCH BREAK ---

13:30 - 14:30 **J.W. DAVIS** / *University of Toronto, Canada*
Codeposition and plasma interaction with codeposited/mixed materials continued

14:30 - 15:00 (Room: Leonardo da Vinci Building, Lobby)
--- COFFEE BREAK ---

15:00 - 17:30 (Room: Computer Lab. (LB))
COMPUTER EXERCISES

THURSDAY, 30 APRIL 2009 (Room:Leonardo da Vinci Building Euler Lecture Hall)

30 April 2009

09:00 - 10:00 **Discussion**

10:00 - 11:00 **Thomas SCHWARZ-SELINGER** / *MPI, Munchen, Germany*
Plasma wall interactions in magnetic fusion continued

11:00 - 11:30 (Room: Leonardo da Vinci Building, Lobby)
--- COFFEE BREAK ---

11:30 - 12:30 **Detlev REITER** / *Forschungzentrum Juelich, Germany*
On the science of fusion boundary plasmas: atomic, molecular and surface processes continued

12:30 - 13:30 (Room: Leonardo da Vinci Building Cafeteria)
--- LUNCH BREAK ---

13:30 - 14:30 **J.W. DAVIS** / *University of Toronto, Canada*
Codeposition and plasma interaction with codeposited/mixed materials continued

14:30 - 15:00 (Room: Leonardo da Vinci Building, Lobby)
--- COFFEE BREAK ---

15:00 - 17:30 (Room: Computer Lab. (LB))
COMPUTER EXERCISES