The Abdus Salam International Centre for Theoretical Physics

School on Geothermics

Cosponsor(s): ENEL- Green Power (Italy), International Geothermal Association (IGA), University of Trieste & Unione Geotermica Italiana (UGI) and the Italian National Research Council (CNR)
Organizer(s): Directors: D. Chandrasekharam, F. Batini, R. Bertani, A. Manzella, M. Pipan. Local Organizer: G. Furlan
Trieste - Italy, 26 October 2009 - 7 November 2009

Venue: Leonardo da Vinci Building Euler Lecture Hall

Final programme

Monday, October 26 (Room:Leonardo da Vinci Building Euler Lecture Hall)

26 October 2009

08:45 - 09:30	(Room: Leonardo da Vinci Building, Lobby) --- Registration --- After Registration: Administrative Formalities (daily living allowances/travel reimbursements, bank transactions, etc.) at the E. Fermi Building, Operations Unit - just above this Bldg.
09:30 - 10:30	**Opening session: introduction by ICTP and ICS (self-introduction by participants)**
10:30 - 11:00	--- Coffee Break (LB Café - 1st Floor) ---
11:00 - 13:00	**R. Bertani** **Reservoir techniques in geothermal applications**
13:00 - 15:00	(Room: Leonardo da Vinci Building Cafeteria) --- Lunch Break ---
15:00 - 16:00	**D. Chandrasekharam** **Geothermal Energy Resources and exploration strategies**
16:00 - 16:30	--- Coffee Break (LB Café - 1st Floor) ---

16:30 - 17:30 **D. Chandrasekharam**
Geothermal Energy Resources and exploration strategies (con't)

Tuesday, October 27 (Room:Leonardo da Vinci Building Euler Lecture Hall)

27 October 2009

09:30 - 10:30 **A. Minissale**
Geochemical methods for geothermal studies

10:30 - 11:00 --- Coffee Break (LB Café - 1st Floor) ---

11:00 - 13:00 **A. Minissale**
Geochemical methods for geothermal studies (con't)

13:00 - 15:00 (Room: Leonardo da Vinci Building Cafeteria)
--- Lunch Break ---

15:00 - 16:00 **M. Teklemariam**
Hydrothermal alteration and fluid inclusion studies in active geothermal system

16:00 - 16:30 --- Coffee Break (LB Café - 1st Floor) ---

16:30 - 17:30 **M. Teklemariam**
Hydrothermal alteration and fluid inclusion studies in active geothermal system (con't)

18:00 - 18:00 (Room: Leonardo da Vinci Building Cafeteria)
RECEPTION
--- ---

Wednesday, October 28 (Room:Leonardo da Vinci Building Main Lecture Hall)
Chairperson: PLS NOTE CHANGE OF LECTURE HALL

28 October 2009

09:30 - 10:30 **A. Manzella**
Geophysical methods for geothermal studies, A. Manzella

10:30 - 11:00 (Room: Leonardo da Vinci Building, Lobby)
--- Coffee Break ---

11:00 - 13:00 **A. Manzella**
Geophysical methods for geothermal studies (con.t)

13:00 - 15:00 (Room: Leonardo da Vinci Building Cafeteria)
--- Lunch Break ---

15:00 - 16:00 **M. Pipan**
Geophysical methods for geothermal studies

16:00 - 16:30 (Room: Leonardo da Vinci Building, Lobby)
--- Coffee Break ---

16:30 - 17:30 **M. Pipan**
Geophysical methods for geothermal studies (con.t)

18:00 - 19:00	**C. Piani (ICTP-ESP Section)** Seminar **Climate change: Observations and Projections**

Thursday, October 29 (Room:Leonardo da Vinci Building Main Lecture Hall)

29 October 2009

09:30 - 10:30	**P. Ungemach** **Reservoir techniques in geothermal applications**
10:30 - 11:00	(Room: Leonardo da Vinci Building, Lobby) --- Coffee Break ---
11:00 - 13:00	**P. Ungemach** **Reservoir techniques in geothermal applications (con.t)**
13:00 - 15:00	(Room: Leonardo da Vinci Building Cafeteria) --- Lunch Break ---
15:00 - 16:00	**P. Ungemach** **Reservoir techniques in geothermal applications (con.t)**
16:00 - 16:30	(Room: Leonardo da Vinci Building, Lobby) --- Coffee Break ---
16:30 - 17:30	**P. Ungemach** **Reservoir techniques in geothermal applications (con.t)**

Friday, October 30 (Room:Leonardo da Vinci Building Main Lecture Hall)

30 October 2009

09:30 - 10:30	**H. M. Hole** **Drilling technology in geothermal applications**
10:30 - 11:00	(Room: Leonardo da Vinci Building, Lobby) --- Coffee Break ---
11:00 - 13:00	**H. M. Hole** **Drilling technology in geothermal applications (con.t)**
13:00 - 15:00	(Room: Leonardo da Vinci Building Cafeteria) --- Lunch Break ---
15:00 - 16:00	Open session: **Selected presentations by participants**
16:00 - 16:30	(Room: Leonardo da Vinci Building, Lobby) --- Coffee Break ---
16:30 - 17:30	(Room: Leonardo da Vinci Building Euler Lecture Hall) Open session: **Selected presentations by participants**

18:00 - 19:00 **R. Cataldi**
Geothermal ranking of Europe and forecasts of development by 2020 in the EU27 with particular regard to Italy

Monday, November 2 (Room:Leonardo da Vinci Building Main Lecture Hall)

2 November 2009

09:30 - 10:30 **D. Chandrasekharam, H. F. Navas**
Power generation from geothermal resources

10:30 - 11:00 (Room: Leonardo da Vinci Building, Lobby)
--- Coffee Break ---

11:00 - 13:00 **D. Chandrasekharam, H. F. Navas**
Power generation from geothermal resources (con.t)

13:00 - 15:00 (Room: Leonardo da Vinci Building Cafeteria)
--- Lunch Break ---

15:00 - 16:00 **D. Chandrasekharam, H. F. Navas**
Power generation from geothermal resources (con.t)

16:00 - 16:30 (Room: Leonardo da Vinci Building, Lobby)
--- Coffee Break ---

16:30 - 17:30 **D. Chandrasekharam, H. F. Navas**
Power generation from geothermal resources (con.t)

Tuesday, November 3 (Room:Leonardo da Vinci Building Main Lecture Hall)

3 November 2009

09:30 - 10:30 **J. W. Lund**
Direct uses of geothermal resources

10:30 - 11:00 (Room: Leonardo da Vinci Building, Lobby)
--- Coffee Break ---

11:00 - 13:00 **J. W. Lund**
Direct uses of geothermal resources (con.t)

13:00 - 14:30 (Room: Leonardo da Vinci Building Cafeteria)
--- Lunch ---

14:30 - 15:00 **ICTP Talk:**
Training & Research in Italian Laboratories (ICTP-TRIL Prog.) (Prof. D. Treleani (Prof. G. Furlan))

15:00 - 16:00 **J. W. Lund**
Direct uses of geothermal resources (con.t)

16:00 - 16:30 (Room: Leonardo da Vinci Building, Lobby)
--- Coffee Break ---

16:30 - 17:30	**J. W. Lund** **Direct uses of geothermal resources (con.t)**

Wednesday, November 4 (Room:Leonardo da Vinci Building Main Lecture Hall)

4 November 2009

09:30 - 10:30	**R. Cataldi** / *(F. Batini, R. Cataldi, B. Cociancig, V. Chandrasekhar)* **Legal/regulatory/environmental aspects, social acceptance**
10:30 - 11:00	(Room: Leonardo da Vinci Building, Lobby) --- Coffee Break ---
11:00 - 11:30	**R. Cataldi** / *(F. Batini, R. Cataldi, B. Cociancig, V. Chandrasekhar)* **Legal/regulatory/environmental aspects, social acceptance (con.t)**
11:30 - 13:00	**B. Cociancig** **Building Blocks for Geothermal Project Development**
13:00 - 15:00	(Room: Leonardo da Vinci Building Cafeteria) --- Lunch Break ---
15:00 - 16:00	**V. Chandrasekhar** **Financing Geothermal Projects**
16:00 - 16:30	(Room: Leonardo da Vinci Building, Lobby) --- Coffee Break ---
16:30 - 16:30	**Closing Session**

November 5 - 7

5 November 2009

09:30 - 09:30	**Field Trip to Geothermal Installations** November 5: Departure from Trieste to Pisa-Larderello November 6: Visit to Larderello (PI) November 7: ENEL (Pomarance) & Return to (see attached prog.)