



*Workshop at ICTP - 2008*  
*Jagdish Tuli\**  
*National Nuclear Data Center*  
*Brookhaven National Laboratory*

*\*Email: [Tuli@bnl.gov](mailto:Tuli@bnl.gov)*

# Workshop at ICTP

---

- Fourth in the series of workshops on Nuclear Structure Evaluation
- Dates: April 28 – May 9, 2008
- Location Adriatico Guest House, ICTP, Trieste, Italy
- Workshops have been hosted by ICTP but sponsored by the Data Section, IAEA, Vienna, Austria

# Workshop at ICTP

---

- The aim of the workshop is to develop a pool of young scientists to do nuclear structure evaluations.
- The Data Section, IAEA which coordinates the Nuclear Structure and Decay Data was requested by the network at the turn of the century to take steps to increase involvement of international scientific community in this work. These workshops are held towards achieving that aim.

# Workshop at ICTP

---

- I was charged with developing the curriculum for these workshops in 12/1999.

Although the basic curriculum has remained the same, it is constantly reordered and the procedures and exercises improved based on the trainee feedback.

# Workshop at ICTP

---

- Dr. Alan Nichols, IAEA, has been the Director of the workshop responsible for most administrative and organizational matters related with the workshop.

I have acted as the co-Director mostly responsible for the technical and scientific aspect of the workshop.

- Dr. Alberto Ventura, ENEA, Bologna, Italy as a co-Director has acted as the liaison with the theory lecturers.

# Workshop at ICTP

---

- Dr. Claudio Tuniz, ICTP, Italy was the local co-Director.
- In addition to being Directors, both Alan and I, have had roles as lecturers.
- At this workshop, Daniel Abriola, of IAEA, replaced Alan as the Director in the middle of the first week.

# Workshop at ICTP

---

- Although the basic curriculum for the workshop has remained the same, the lectures on theory and experimental techniques have been varied for different workshops.
- Only lecturer who has participated in all these workshops (including the pilot workshop) has been Piet Van Isacker of GANIL, France
- This year the other theory lecturer was Dr. Slobodan Brant from University of Zagreb, Croatia.

Both gave excellent exposition of Nuclear Models and their lectures were very well received.

# Workshop at ICTP

---

- Lectures on experimental techniques were given by Dr. Filip Kondev, ANL, USA, and by Dr. Tibor Kibedi, ANU, Australia.
- Dr. Daniel Abriola, IAEA, Dr. Coral Baglin, LBNL, Dr. Edgardo Browne, LBNL/NNDC, Dr. Filip Kondev, ANL, Dr. Tibor Kibedi, ANU, Dr. Alejandro Sonzogni, NNDC, and I provided the instruction in various aspects of evaluation techniques and acted as the group leaders for practical training.



# Workshop at ICTP

---

- This year I was able to take an initiative in the selection of the trainees ensuring that they were qualified for such training. The result was indeed gratifying we had a good, interested group of people. The selection process however has to be within ICTP guidelines regarding nationality, age, gender, and personal contacts, etc.

# Workshop at ICTP

---

- There were 25 participants (+7 Associates/Affiliates) from 20 countries.
- Most of the participants were very good. Associates/Affiliates (except for two) did not participate in practical exercises.

# Workshop at ICTP

---

I have put all trainees (25 participants + 2 affiliates) in the following categories:

- a. There were four evaluators from the US and Canada.
- b. Eight potential evaluators from India (3), Bulgaria (2), Ukraine (1), China (1), USA (1).
- c. Six were quite good and can be evaluators if given opportunity: one each from Jordan, Nigeria, Argentina, Iraq, and two from India.
- d. Eight were good but work in different fields: one each from Egypt, Uzbekistan, Syria, Bangla Desh, Pakistan, Vietnam, and two from Mongolia.
- e. Only one was Indifferent (in my view).

# Workshop at ICTP

---

- Overall, unlike the 2006 workshop, this was a much better experience. Trainees were good and it was pleasure working with them. Hopefully some of them would stay in this field.