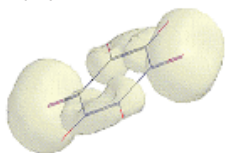


NERMMW



WHAT IT IS!

Funded by NSF's Undergraduate Faculty Enhancement Program, the *Northeast Regional Molecular Modeling Workshop* (NERMMW) trains small groups of college chemistry faculty in the use of molecular modeling, with an emphasis on using these techniques to teach undergraduate chemistry.

WHO SHOULD APPLY?

Chemical educators who want to use molecular modeling to enrich undergraduate chemistry courses are encouraged to apply. No prior knowledge of molecular modeling is required.

COMPUTATIONAL TECHNIQUES

- ◆ Molecular Mechanics
- ◆ Semi-empirical Methods
- ◆ *ab-initio* Methods

WORKSHOP FORMAT

- ◆ Presentation of background theory
- ◆ Hands-on exercises
- ◆ Round table discussions
- ◆ Evening work sessions
- ◆ Vendor demonstrations and discussions

SOFTWARE INTRODUCED

SPARTAN	Mac/PC SPARTAN
HYPERCHEM	CHEMOFFICE
PC - MODEL	MOPAC
GAUSSIAN	CHIME

Northeast Regional Molecular Modeling Workshop June 7-11, 1998

ADDITIONAL TOPICS

- ◆ Choosing the right computational tools for classroom and student research use
- ◆ Interpretation and verification of results
- ◆ Visualization and WWW integration - effective sharing of results
- ◆ Making computational chemistry relevant
- ◆ Networking with NERMMW participants and others with educational interest

ACCOMMODATIONS

The cost of the workshop, including housing and meals, is covered by the National Science Foundation grant. Participants must provide their own transportation. Limited travel funding is available for participants from resource-poor institutions.

Housing and meals will be provided at the University Campus Center Hotel. Accommodations include a private, air conditioned room, with bath and a private dining area, allowing for interaction with other participants in a relaxed atmosphere.

FACILITIES

The workshop will be held in the Chemistry Resource Center, a microcomputer/tutoring facility supported by the Chemistry Department. The Center houses Pentium, Power Macintosh and Silicon Graphics computers for use by participants.

For more information, check our WWW site at <http://www.chem.umass.edu/~nermmw>

FOLLOW-UP ACTIVITIES

Participant and instructor e-mail and WWW lists are compiled to facilitate post-workshop interaction.

A follow-up symposium for all previous workshop participants and Five College area faculty is held every January to discuss successes and strategies in the implementation of molecular modeling in undergraduate courses. Overnight accommodations in the Campus Center Hotel are covered by the grant.

Instructor site visits are available for follow-up support.

FORMER PARTICIPANT COMMENTS

"To ... those teaching chemistry in the smaller colleges, the workshop offers one of the few ways of getting sufficiently comfortable with a new technology to use in our instruction."

"...the workshop is accessible to beginners..."

"... important aspect of the workshops is the realization of the many options available in software..."

"It is important for us to know about things that have worked, and that we do not have to reinvent the wheel."

"The key that makes the workshops successful is the collegial attitude of the people at UMass. You... created an ambiance of warm welcome..."

