



NEWS & ANNOUNCEMENTS

Marine Technology Society

Winners of the 1987 Chapman-Schaefer Student Manuscript Competition

The Marine Technology Society is pleased to announce the winners of the 1987 Chapman-Schaefer Technical Paper Competition for students in marine science, policy and technology.

The 1987 Chapman-Schaefer prize is awarded to Marie C. McIntyre, a doctoral student in applied oceanography at the University of California, San Diego's Scripps Institution of Oceanography, for her paper "Improvements in Sound Velocity Measurement."

Virender K. Bhogal, a master's student in physical oceanography at the Florida Institute of Technology, is recognized as First Runner-Up for his paper "A Sediment Dynamics Model for Flood Tidal Delta Evolution."

The Second Runner-Up prize is awarded to Kevin G. Harrison, a doctoral student at the University of California, San Diego's Scripps Institution of Oceanography, for his paper "Interpretations of Potentiometric Titrations of Sea Water for Dissolved Inorganic Carbon."

Each student will receive a nominal honorarium, a year's student membership in the Marine Technology Society and, for the winner and first runner-up, publication in the Society's peer-reviewed quarterly, the *Marine Technology Society Journal*. In addition, Ms. McIntyre

was an honored guest at the Society's conference and exhibition, Oceans '87, held at the World Trade and Convention Centre in Halifax, Nova Scotia, Canada, 28 September-1 October 1987.

Additional finalists in the award competition were G. Kevin Jones of the University of Virginia's School of Law, and Ms. Jane Dicosimo of the Virginia Institute of Marine Science at the College of William and Mary.

The competition was begun in 1975 at the suggestion of Dick Vetter, then Editor of the *Marine Technology Society Journal*. A student fund was established based on royalties received from *Oceanography—The Last Frontier* by renowned fisheries experts Wilbert (Wib) Chapman and Milner (Benny) Schaefer. The manuscript competition is a particularly appropriate legacy for these two eminent scientists who were known not only for their depth of knowledge but for their ability to communicate to the general public the interaction between understanding the sea and effectively utilizing its resources.

Founded in 1963, the Marine Technology Society is the leading interdisciplinary Society for marine technology.

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The International Ground Water Modeling Center (IGWMC) is an information centre for the application of groundwater models for water management. Within this framework IGWMC runs a clearing house, an information

centre and organizes short courses on the use of groundwater models. The Delft branch was established in 1985.

The International Institute for Hydraulic and Environmental Engineering (IHE) at Delft, The Netherlands carries out international education programs and research with a special emphasis on third world countries. Within the

educational framework IHE organizes a wide range of annual post-graduate and short term courses. Tailor made training activities and consultancy are a substantial part of the activities.

From the start in 1985 the IGWMC-IHE Delft short course program on groundwater modelling and applications is run on a fifty-fifty base. The courses are all being held at the IHE and IGWMC premises in Delft, The Netherlands.

Programme of IGWMC-IHE Short Courses and Expert Meetings, 1988-1989.

MARCH 1988

2-4 **Short Course on:** *Basics of Groundwater Modelling*

The basic principles of groundwater modelling will be presented. Various types of models, managerial aspects of model usage, and efficient model application will be discussed.

7-11 **Short Course on:** *Applied Groundwater Flow Modelling*

The course presents semi-analytical and numerical solution methods for tackling two- and three-dimensional groundwater problems. During computer workshops participants will be taught how to implement the model codes in practical groundwater problems.

June

6-10 **Short Course on:** *Stochastic and Geostatistical Analysis in Groundwater Modelling*

The course deals with spatial variability of hydrological parameters and with time dependency of groundwater processes. The application of geostatistical and kriging techniques in data analysis and groundwater modelling will be demonstrated and practised during computer workshops.

September

14-16 **Expert Meeting on:** *New Developments in Groundwater Modelling*

The meeting aims at discussing the state of the art and latest trends in:
—three-dimensional flow modelling,

—density-dependent solute transport modelling,

—finite difference, finite element and boundary element methods.

October

3-7 **Short Course on:** *Applied Modelling of Groundwater Pollution*

The course provides insight into the fundamentals of modelling groundwater flow and contaminant transport in porous media. Participants will receive extensive training on how to apply the US Geological Survey's flow and transport codes to practical problems of groundwater pollution.

March 1989

1-3 **Short Course on:** *Basics of Groundwater Modelling*

May

6-10 **Short Course on:** *Applied Groundwater Flow Modelling*

22-26 **Short Course on:** *Modelling Unsaturated Flow*

September

13-15 **Expert Meeting on:** *Modelling Biological and Chemical Processes in the Subsoil*

October

16-20 **Short Course on:** *Applied Modelling of Groundwater Pollution*

*Gerrit Jousma, Director
IGWMC-Delft Branch
The Netherlands*