

MODELLING AND SIMULATION RO-AMSE SCIENTIFIC SESSION

The Advanced Modelling and Simulation Association - (AMSE)-Romania Branch (RO-AMSE) organized in Bucharest at Research Institute for Informatics, under the sponsorship of Research Institute for Informatics, University of Bucharest and Polytechnical Institute of Bucharest, a two-day scientific session on Modelling and Simulation (September 25-26, 1991).

Opening speeches were addressed by dr. Florin Stanculescu, president of RO-AMSE, dr. Florin-Gheorghe Filip, director of Research Institute for Informatics, and Professor Ion Vaduva, director of Computing Centre of University of Bucharest. Audience was told about the significance of the event as marking the commencement of the activity of RO-AMSE and about the main topics of the agenda.

On the first day, there was a plenum where presentations succeeded as follows:

- "General Structure of the Simulation Models" by Professor Ion Vaduva. He emphasized the complexity of the problem considered and talked about the wide spectrum of approaches made to the domain and about the simulation languages.
- "Modelling and Simulation of Large-Scale Systems. Applications. Results" by dr. Florin Stanculescu. Among the subjects tackled there were the definition of large scale systems, heuristic and mathematical methods for associated modelling - simulation problem-solving and how it was reflected in ecology, for instance, in modelling and simulating the Danube Delta ecological systems.
- "Robustness and Modelling" by Professor Vlad Ionescu (Polytechnical Institute of Bucharest). He dealt with such recent approaches as the so-called H-infinite systems theory, where the Romanian specialists' original contributions and good results were noted.

Two parallel technical sessions followed on: "Simulation Methodology. Stochastic Simulation" and "Large Scale Systems". Contributions made to each of the technical sessions counted to 10 and even more. Besides the Romanian specialists, there participated a group of researchers from Institute of Mathematics in Kishinev, led by dr. M. Martchuk.

The afternoon of the first day of the scientific session was dedicated to demos. These included a simulation software product called SPL/PC developed by the specialists in Kishinev and TIMESPAC/PC - a time series analysis and prediction software product developed by dr. Theodor-Dan Popescu (Research Institute for Informatics).

Eight presentations were made during the closing technical sessions of the first day, that is: "Fuzzy Models - Other Model Classes. Artificial Intelligence. Applications" and "Modelling Applications in Production". The second day covered two parallel technical sessions on: "Mathematical Modelling. Optimization" and "Simulation and Modelling Applications", with 10 presentations at each.

A panel discussion was also organized. Moderators were Professor Vlad Ionescu, dr. Florin-Gheorghe Filip and dr. Florin Stanculescu. Participants discussed on what would be the next activities of RO-AMSE and the organization of an international conference in 1992.

The closing speeches were addressed by Professor Ion Vaduva and dr. Florin Stanculescu who expressed personal opinions on the organization of the scientific session and the future activities to be undertaken by RO-AMSE.

The organizers invited contributions to "Romanian Journal for Informatics and Automation" and to "Studies in Informatics and Control".

With its six technical sessions and 60 valuable papers, with the debates and comments on them and the exchange of ideas, the scientific session was a successful one. The only inconvenience derived from the derogation from the time-table of the meeting.

dr. Ing. Vasile Sima