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PRESS RELEASEPRESS RELEASEDIGITAL COMPUTER APPLICATIONS TO PROCESS CONTROL

The 2nd IFAC/IFIP International Conference, Menton, June 5-9

The final programme just received gives details of the 36 papers being presented in the 4 days of this conference on the latest application of computers to the control of chemical processes, power plants, iron and steel mills and furnaces, and transportation. Organised by AFRA - Association Française de Régulation et d'Automatisme, the conference programme reflects the increasing use of direct digital control (DDC) techniques.

Increased DDC applications

From all over the world papers will be given on this latest phase of computer process control. Two survey papers from Japan and the USSR discuss respectively the problems of selecting the characteristics of computers for DDC and the use of DDC for multivariable processes.

Other papers deal with the use of this technique in specific applications such as controlling quenching coolers in a French cement plant, control of British chemical plants and a Japanese fermentation process, and control of an American fibreglass process.

Power Systems - international contributions

In a full one day session devoted to power systems papers from nine countries will be given (UK, Japan, USSR, USA, Italy, France, Germany, Spain, Sweden).

From Sweden comes details of the computer controls used on the Marviken Nuclear power plant, while the USSR, UK and USA contributions discuss the systems aspect; for example the paper by V.S. Shakhnov describes the use of computers to optimize regimes of the interconnected power energy systems and electric plants.

Steel industry systems

Papers from three countries, France, USSR and Poland, will describe latest work on the flow management of ingots in and out of steel works' soaking pits, and on blast furnace and oxygen steel making control. The Soviet contribution covers an integrated control system for steel making.

Transportation

One paper bound to arouse great interest is the description of the control system for Japan's new high speed trains on the TOKAIDO railroad line. Other areas covered include automation of marshalling yards, computer dispatching of trains and automatic train operation. Some of the papers are presented with the co-operation of UIC (Union Internationale des Chemins de Fer).

A final session at the conference deals with education of training necessary for technicians handling this computer and diverse computer applications.

For programme and more details write to: -

2nd IFAC/IFIP International Conference

The Secretary

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