

## NOTICES

### *Electrochemical engineering aspects of electroplating*

AIChE Summer National Meeting, August 29–September 1, 1982, Cleveland, Ohio, USA.

A four-session Symposium is planned. It will focus on the application of chemical engineering concepts to electroplating processes. The objectives include introducing chemical engineers to electroplating problems, and electroplaters to relevant engineering fundamentals. Attempts will be made to blend presentations from academia and industry. The Symposium will cover a broad range of electroplating-related topics. Subjects of special interest may include:

- Engineering modeling of electroplating cells and processes
- Current distribution and throwing power
- Disposition of electroplating wastes
- High-speed and selective plating
- Monitoring and control of plating processes
- Mass transport considerations
- Pulse plating
- Relation of deposit properties and morphology to process parameters
- Recent advances and new plating processes.

A title and short abstract are requested by January 15, 1982. Suggestions and inquiries will be appreciated.

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### *Short courses in electrochemistry*

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The programme for 1982 is shown below:

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|-------------|---|
| Jan. 6–8    | Electronics of electrochemical instrumentation.                           |
| April 19–23 | <i>In situ</i> vibrational spectroscopy of species on electrode surfaces. |
| July 5–9    | Advanced instrumental methods in electrode kinetics.                      |
| Sept. 2–3   | Principles of electroplating.   |

Further details can be obtained from Dr G. A. Gunawardena, Chemistry Department, The University, Southampton SO9 5NH, UK.