European Union's peripheral countries and its neighbours to the east so as to increase significantly Europe's overall strength and potential to adjust to world competition.

The remarks by J.C. Phillips on the value and effectiveness of small-scale science as opposed to large-scale projects must be endorsed. Europe should build efficient networks of research groups and laboratory facilities, taking full advantage of the richness and diversity existing in the different countries. Recent European Union networking and mobility programmes should be encouraged.

In parallel, a programme could be launched to create a network of strategic medium-size research facilities in the various European regions, with adequate interfaces with industry and conditions that promote an efficient transfer of scientific knowledge to new applications.

I also support the need to introduce new approaches in teaching and training science at the university level. In particular, we must learn how to integrate high-level science with technology and develop software tools by working in groups, through small projects in which safety issues are a concern. Participants will be taught how to use software tools in safety critical systems, whatever the methods used to generate software in safety critical systems, whatever the approach and the framework.

Further details from: Sally Verkaik, Continuing Education Centre, Imperial College, Level 5 Sherfield Building, Exhibition Road, London SW7 2AZ, UK.

An inter-disciplinary programme covering the science, technology and application of microsystems - i.e. sensors, actuators and other 3D-structures, with the application of microsystems in various fields of science and the basic principles behind modern technology. Students should also be trained in the use of technology for solving concrete problems, in an open environment and through interaction with non-academic people. As J.C. Phillips pointed out, most of industrial practice consists of profound inventions and carefully prepared discoveries, but of quick and timely incremental steps which either enable new methods, or which control quality to stabilize and improve the yield of older, small- and large-scale methods. Here, acute awareness and mixed experience (science/technology) are crucial factors for success.

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Applicants must satisfy the legal requirements of the state of Northrhine-Westfalia for the above appointment, i.e., Habilitation or equivalent scientific merits or degrees. They should send their curriculum vitae, a summary of their scientific career including teaching experience, and a list of publications by November 10, 1996 to the Director of the Institute for Materials Science, Prof. Dr. S. Dietrich, Fachbereich Physik, Bergische Universität - Gesamthochschule Wuppertal, D-42097 Wuppertal, Germany.