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Financial support for young researchers to participate in the large European Conference "EPDIC-7"

Fact Sheet

Project Information

Grant agreement ID: HPCF-CT-1999-00012-01

[Project website](#) 

Project closed

Start date
20 May 2000

End date
23 May 2000

Funded under

Programme for research, technological development and demonstration on "Improving the human research potential and the socio-economic knowledge base" (1998-2002)

Total cost

No data

EU contribution

No data

Coordinated by

Type of Event: Large Conference



Spain

Objective

EPDIC is the only European Conference exclusively devoted to powder diffraction. The main objectives of the conference are to show the state-of-the-art of the technique (which are published later in the international journal Materials Science Forum) and to present the major instrumental advances. Since most large laboratories and industries have PD equipment, any advance in the technique has a

direct impact in research and in production. The principal attractiveness of PD is that it provides information on both the structure and the microstructure of the materials. The advent of the PC's and the availability of large European facilities like ERSF or ILL have increased the possibilities of PD spectacularly. Actual relevant topics are the methodology for crystal structure determination from PD data and their combination with data coming from different sources. Improvement of this methodology is necessary for processing patterns collected in situ (e.g. reaction cells) or also under non-ambient conditions (high pressures). Other important topics for their technological significance are the microstructure modelling, the depth sensitive texture analysis and the use of X-ray mirrors to thin film analysis and multilayers reflectometry studies.

<ftp://ftp.cordis.lu/pub/improving/docs/HPCF-1999-00012-1.pdf> 

Fields of science (EuroSciVoc)

[engineering and technology](#) > [materials engineering](#) > [crystals](#)

[engineering and technology](#) > [materials engineering](#) > [coating and films](#)



Programme(s)

[FP5-HUMAN POTENTIAL - Programme for research, technological development and demonstration on "Improving the human research potential and the socio-economic knowledge base" \(1998-2002\)](#)

Topic(s)

[1.4.1.-3.1S1 - Chemistry](#)

Call for proposal

Data not available

Funding Scheme

[ACM - Preparatory, accompanying and support measures](#)

Coordinator



Type of Event: Large Conference

EU contribution

No data

Total cost

No data

Address

This event takes place in Barcelona

 Spain 

Last update: 23 August 2002

Permalink: <https://cordis.europa.eu/project/id/HPCF-CT-1999-00012-01>

European Union, 2025

