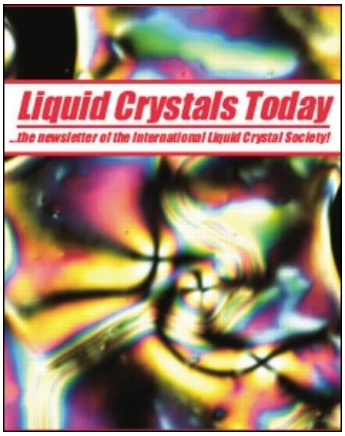

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New Products

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NEW PRODUCTS

Liquid Crystals Interactive

Liquid Crystals Interactive ONLINE journal is designed to make use of the internet and new computer technology to enhance education, research and collaboration in liquid crystals and related fields throughout the world. Since its debut early this year, more than 1200 visits per day have been recorded, from over 25 countries. The URL is: http://www.lcionline.net.

LCI ONLINE, at this early stage, provides news, introductory level educational materials, online seminars, review articles, current events, scientific and research product information, listing of links to research institutes and LC related companies. It also provides information on employment opportunities and resumés of potential employees. Access to the Liqcryst Internet Database (Germany), Symbolic Net (Kent State University, USA), complete searchable bibliography, and glossary of technical terms will be added in the near future. An editorial advisory board consisting of prominent and active members of liquid crystal academia and industry has been formed in order to oversee the development and maintain high standards of scientific quality for the journal. LCI ONLINE will strive for a multimedia presentation of material, albeit limited by current display resolution. Unlike traditional paper/ archival journals, it is possible to establish hot links to other sites, and include animations and video clips to demonstrate the dynamic behaviour of scientific concepts. References are placed in the text so that readers do not have to toggle back and forth to the end of the manuscript.

In time it is hoped that LCI ONLINE can evolve to an interactive archival journal, which can be referenced in the literature, grant applications and resumés. There is an opportunity to use multimedia and interactive simulation in science education. LCI ONLINE provides training and learning opportunities for students, where they can gain experience in new computer technologies. LCI ONLINE will make every effort to bring industry and academia closer together by providing vital information to both areas. Future developments will include remote training programmes, workshops for technical and research staff, and educational programmes that are suitable for colleges and high schools. All in the liquid crystal community are invited to participate in this scientific endeavour.

Further information from:

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Liquid crystal CD-ROM

A new format teaching text has been produced by IO Graphics Inc. in the form of a CD-ROM. Liquid Crystals Interactive is a Windows-based, interactive multimedia CD-ROM designed especially for researchers and students studying liquid crystals. The material has been prepared by a number of well-known liquid crystal scientists, and covers the following areas: theory; computer simulations; simulations of most major characterization techniques with real data acquisition and analysis; principles and techniques of laboratory automation; technical notes and operational principles of most widely-used instruments; engine for data fitting linked to theoretical explanations; electro-optical and nonlinear optical applications of liquid crystals; display driving techniques; display fabrication and assembling process; and microscopic observations of liquid crystal textures and phase transitions.

In addition, extensive up-to-date references are given, and there is capability for interactive calculations with plotting. Many physical concepts are illustrated by animated demonstrations, and there are true-colour videos of liquid crystal textures, and phase transitions.

Authors of the contributions are: Sugat Abeygunaratne, Mikhail Anisimov, Douglas Bryant, Liang Chy Chien, Noel Clark, Hristina Galabova, Antal J'akli, Istvan Janossy, Jack Kelly, Oleg Lavrentovich, Joseph Maclennan, Bela Mulder, Mary Neubert, Paolo Pasini, Victor Pergamenschick Yuri Reznikov, Sergey Shiyanovsky, Andrei Sukhov, Nelson Tabiryan, David Walba, Philip Watson, Claudio Zannoni, Boris Zel'dovich, Zlobodan Zumer.

The CD costs US$250.00 for a single CD for personal use, the multi-user library rate is US$350 for one CD, or US$600.00 for two CDs. Annual upgrades will be available for US$50.00.

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