

Second Announcement & Call for Papers



3rd International Conference on Physics & Industrial Development Bridging the Gap

4 - 7 September 2000



COPID 2000

The 3rd International Conference on Physics and Industrial Development (COPID) will be co-hosted by the universities and technikons in the province of KwaZulu-Natal and held in Durban, South Africa on 4 - 7 September 2000.

COPID 2000 is the 3rd in a series of biennial conferences initiated by the Commission on Physics for Development (C13) of the International Union of Pure and Applied Physics (IUPAP). The first such conference took place in India in 1994 and the second in Brazil in 1996. The conference aims to bring together physicists, engineers, entrepreneurs and science and technology administrators from developed and developing countries to confront developmental problems and strategise bridging the gap between knowledge generation and the industrial process.

THEMES FOR THE CONFERENCE

- 1. Technology Revolution (development) during the 20th Century**
The role played by physics and physicists in promoting technology in the developed and developing world will be the focus of this session. Examples will include technology which has been considered to be beneficial to development and technology which has been destructive.
 - 2. Industrial Research and Physics**
Current research in Applied Physics with broad applications in Industry will be presented. There will be a focus on the policies applied by governments in directing research to harness information, knowledge and experience for industrial development. Areas of application will include energy systems, transport systems, environment and mechanization.
 - 3. Partnerships between Academia and Industry**
Best practice in the development of partnerships between academic institutions and industry will be described. It is implied that discussion of the partnership will include the analysis of academic institutions and training methodologies as well as the nature of the industry which partners best with academia.
 - 4. Physics in Developing Countries**
Questions which will be addressed here will include: Is the role of physics and the role of a physicist in a developing country any different from the role in a developed country? Does the nature of the industrial activity in a particular country determine the role of physics and the training of physicists for that country? Does the level of development determine the nature of the research in physics to be undertaken?
- A strategic position paper on physics for industrial development in developing countries will be discussed and compiled during the conference.**



CALL FOR PAPERS

Participants are invited to present oral or poster papers at this four-day conference, which will include presentations by invited speakers. There will be a rich array of learning opportunities, including best-practice workshops and a technology forum.

English will be the working language for the Conference and Workshops.

Invited talks will be limited to 45 minutes + 10 minutes discussion. Oral presentations will be limited to 20 minutes + 5 minutes discussion.

ABSTRACTS

Please submit an abstract (no longer than 100 words) of your proposed presentation which should focus on any of the four broad conference themes (see above).

The deadline for submission of abstracts is 15 May 2000.

Complete the prescribed abstract FORM 2 and post or fax to the address below, or complete FORM 2 on-line on the Internet at: http://www.progressivepr.co.za/copid_2000. Alternatively e-mail abstracts to copid@cyclops.und.ac.za as an attached MS-Word, text or web file or submit on disc.

Abstracts must include title, names of authors, their affiliation and address, including an e-mail address and/or fax contact number. An original hard copy of the abstract should also be posted/couriered to: Copid 2000 Manuscripts, Prof. M.J. Alport, School of Pure and Applied Physics, King George V Avenue, University of Natal, Durban, 4014, South Africa, Fax: 27 31 261 6550.

Notice of acceptance will be given two months prior to the Conference. The abstracts will be published in time for the conference.

MANUSCRIPTS

Manuscripts are invited for publication in Physica Scripta and may be submitted in one of the following ways:

- An electronic copy may be sent to: Alport@ph.und.ac.za, and hard copy either submitted at the conference or posted/couriered to: Copid 2000 Manuscripts, Prof. M.J. Alport, School of Pure and Applied Physics, King George V Avenue, University of Natal, Durban, 4014, South Africa.
- The manuscript can be sent as an attachment by anonymous ftp to: [Cyclops.und.ac.za](ftp://Cyclops.und.ac.za) in the /Pub/Copid2000/yoursurname directory. A hard copy must be submitted at the conference.

Deadline for submission of manuscripts: first day of the conference, 4 September 2000.

The submitted papers will need to conform to a standard format, and further stylistic guidelines will be given once your paper has been accepted. All manuscripts submitted will be refereed. Refereed papers will be published as proceedings of the conference by Physica Scripta.



REGISTRATION

Delegates are encouraged to make use of the on-line facility on the web site to register <http://www.progressivepr.co.za/copid2000>. Alternatively, the prescribed registration form may be used. The registration fee will be the equivalent of R1600 or US\$250. The registration deadline is 30 June 2000 for the normal fee. Participants will pay a penalty fee of R300 or US\$50 for late registration. The registration fee includes a:

- light lunch and refreshments at the conference
- Mayoral Reception evening - 4 September 2000
- social /cultural evening - 5 September.

ACCOMMODATION

Rooms at special rates for conference participants for the duration of the conference and the weekends before and after the conference have been negotiated with the conference hotel and its sister hotels. All accommodation is within walking distance of the conference venue. Reservations could be made by contacting the conference organisers or by means of the on-line registration facility:

<http://www.progressivepr.co.za/copid2000>

SOCIAL EVENTS AND TRAVEL

- Banquet - 6 September (cost not included in registration)
- Visit to cultural museum (cost not included in registration)

Contact the conference organisers for your travel and touring bookings.

INVITED SPEAKERS

Please refer to the Conference Website for an updated list of invited speakers.

CONFERENCE PROGRAMME COMMITTEE

Prof. E.C. Zingu, (Chairman/Convenor)
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PO Box 12363, Jacobs, 4026, South Africa.
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Prof. M.J. Alport,
University of Natal, Durban,

Prof. K. Bharuth-Ram,
University of Durban-Westville, Durban

Dr. N. Chetty,
University of Natal, Pietermaritzburg.





INTERNATIONAL ADVISORY COMMITTEE

Prof. Ahmed Bawa,
University of Natal, South Africa;
Prof. Gallieno Denardo,
International Centre for Theoretical Physics, Italy;
Prof. Annick Suzor-Weiner,
Laboratoire de Photophysique Moleculaire, France;
Prof. Ana Maria Cetto,
Vice Chair, Commission 13, of IUPAP, Mexico;
Prof. Jozsef Gyulai,
Hungarian Academy of Sciences, Hungary.

SPONSORSHIP

Delegates may apply to the Local Organising Committee for limited sponsorship.

DURBAN INFORMATION

Durban (<http://www.durban.org.za>) is a colourful holiday city with a wide mix of rich cultural heritages. The KwaZulu-Natal game parks and the Drakensberg mountains are within 300 km of the city. Other parts of Southern Africa are also easily accessible from Durban by road or air.

Weather: The weather in Durban during September is often warm during the daytime (around 23° C) and the nights slighter cooler (ranging from 16° to 20°), making light clothing more than sufficient.

Health Requirements: Generally no vaccinations are required for visitors arriving in South Africa. However, medication for malaria may be required as a precautionary measure for visitors to KwaZulu-Natal's North Coast and Mpumalanga (Eastern Transvaal) e.g. the Kruger National Park.

Delegates are requested to check with their travel agent for further information. Note that adequate health insurance is the responsibility of the participants.

Visa: Potential participants are advised to check with your local South African consulate for visa requirements.

VENUE

The Conference will take place at the Holiday Inn/Elangeni, Marine Parade, Durban, South Africa

HOSTING INSTITUTIONS

The Technikons and Universities of Kwa-Zulu-Natal



DEADLINES

- Submission of abstracts - 15 May 2000
- Registration - 30 June 2000
- Submission of full paper - 4 September 2000

Anticipated date of publishing refereed papers as COPID 2000 Proceedings in Physica Scripta - end May 2001.

CONFERENCE ORGANISERS

Progressive Public Relations (PPR):

66 Windermere Road, Morningside, Durban, 4000, South Africa.
Ph: +27 (31) 309-1106. Fax: +27 (31) 309-1117.
E-mail: progpr@csurf.co.za;

CONFERENCE WEBSITE

<http://www.progressivepr.co.za/copid2000>

LOCAL ORGANISING COMMITTEE

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Head, Applied Physics Group, School of Pure and Applied Physics,
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Mr. H. Edwards, University of Durban-Westville;
Dr. K. Govender, University of Durban-Westville;
Mr N. Kgasi, ML Sultan Technikon;
Mr. B. Pillay, ML Sultan Technikon;
Prof. E.C. Zingu, Mangosuthu Technikon

ACKNOWLEDGEMENT



To secure IUPAP (<http://www.iupap.org>) sponsorship, the organizers have provided assurance that the 3rd COPID conference will be conducted in accordance with IUPAP principles regarding the free circulation of scientists for international purposes. In particular, no bona fide scientist will be excluded from participation on the grounds of national origin, nationality, or political considerations

