

ANNOUNCEMENTS

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**International Conference on Physics Education
2009**
18-24 October, Thailand 2009
www.icpe2009.net

This ICPE 2009 in Thailand is proposed as one in the world renowned series, *International Conference on Physics Education*, supported by the IUPAP. Given the significant success that the previous conferences (Delhi, Tokyo and Marrakech) of the ICPEs have drawn, we envisaged that this event will add another brick to what is starting to be a solid foundation towards a path to sustainable development in physics education. By the time the ICPE 2009 is held in October 2009, almost 5 years would have passed since physicists all over the world started celebrating World Year of Physics in early 2005. The theme of the conference “*Development and Innovation in Physics Education*” reflects one of our major aims, which is to gather pertinent information on the advancement in physics education as a result of higher level of awareness from the events in 2005.

The conference primarily focuses on offering the floor for physics educators to present issues and examples which emphasize the aforementioned theme and the following sub-themes:

- A. Bringing physics education into the 21st century
- B. Engaging physics education to the real world
- C. Developing new and effective learning approaches for physics education
- D. Preparing physics education to provide solutions to global challenges

The City of Bangkok, where the conference will be held, has been named “World’s Best City 2008” by the *Travel + Leisure* magazine. It also recently won the “2007 Best City in Asia” for the seventh year in a row in the *Condé Nast Traveler Readers’ Choice Awards*. This capital city of Thailand is beautifully located on the banks of Chao Phraya River of the Southeast Asian Peninsula. It is well connected globally by all major international airlines through its new Suvarnabhumi International Airport. Bangkok has everything to offer to different types of visitors, from its modern infrastructure and worldrenowned hospitality and service, to rich culture and todie-for cuisine. Bangkok is very well connected by road, rail and airlines with the rest of Thailand. Bangkok would be an excellent base for visiting other world famous destinations such as Pattaya beach, Phuket island - Pearl of the Andaman Sea, and Chiang Mai – the ancient city of northern Thailand among others.

We look forward to welcoming you in Bangkok. For any questions regarding the conference, please contact the conference secretary

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For registration, call for papers, accommodation and other details please visit the conference website

<http://www.icpe2009.net>

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VII RELAEF (2ª circular)

VII Reunião Latino-Americana sobre Ensino de Física

VII Reunión Latinoamericana sobre Enseñanza de la Física

Porto Alegre, RS, Brasil, 23 a 27 de novembro de 2009

A RELAEF é um evento latino-americano iniciado em 1975, em distintos países, que agora em sua sétima edição ocorrerá no Brasil tendo como foco a atualização curricular da Física no Ensino Médio. A reunião será organizada “estilo escola” centrada em quatro minicursos de 7,5h cada um. Além disso, haverá um pequeno espaço para apresentação de trabalhos e/ou conferências.

La RELAEF es un evento latinoamericano iniciado en 1975, en distintos países, que ahora en su séptima edición ocurrirá en Brasil teniendo como foco la actualización curricular de la Física en la Enseñanza Media. La Reunión será organizada “estilo escuela” centrada en cuatro minicursos de 7,5h cada uno. Además de eso habrá un pequeño espacio para presentación de trabajos y/o conferencias.

MINICURSOS

Mecânica Quântica no Ensino Médio. *Mecánica Cuántica en la Enseñanza Media.* Professores: *Victoria Herscovitz* (IF-UFRGS) e *Iraima Cabral de Paulo* (IF-UFMT).

Modelagem Computacional em Física no Ensino Médio. *Modelado Computacional en Física en la Enseñanza Media.* Professores: *Eliane Angela Veit* (IF-UFRGS) e *Rafael Brandão* (PPGenFis/UFRGS).

História e Filosofia da Ciência no Ensino Médio. *Historia y Filosofía de la Ciencia en la Enseñanza Media.* Professores: *Olival Freire Jr.* (IF-UFBA) e *Frederik Moreira dos Santos* (PPG Filosofia/ UFBA).

Física de Partículas no Ensino Médio. *Física de Partículas en la Enseñanza Media.* Professores: *Marco Antonio Moreira* (IF-UFRGS) e *Fernanda Ostermann* (IF-UFRGS).

Observações importantes. *Observaciones importantes:*

- O evento terá lugar no Instituto de Física da UFRGS, no Campus do Vale, em Porto Alegre. Não há nenhuma possibilidade de apoio financeiro. Será cobrada uma taxa de R\$100,00 que deverá ser paga em dinheiro no primeiro dia do evento. *El evento ocurrirá en el Instituto de Física de la UFRGS en Porto Alegre, Campus do Vale. No hay ninguna posibilidad de apoyo financiero. Habrá una tasa de US\$50,00 que deberá ser pagada en efectivo en el primer día del evento.*
- Destina-se a professores da educação básica ou superior, e a estudantes de pós-graduação em Ensino de Física, interessados em mudanças curriculares na Física do Ensino Médio. *Destinase a profesores de educación básica o superior, así como a estudiantes de posgrado en enseñanza de la Física, interesados en cambios curriculares en la Física de la Enseñanza Media.*
- Os horários dos minicursos não coincidirão, de modo que todos os participantes poderão assistir a todos. É esta a proposta do evento. *Los horarios de los minicursos no coincidirán, de modo que todos los participantes podrán estar en todos. Es esta la propuesta del evento.*
- Em todos os minicursos serão facilitados materiais instrucionais. *En todos los minicursos serán facilitados materiales instruccionales.*
- Considerando que o evento estará estruturado em minicursos para todos os participantes, o número de vagas estará limitado, em princípio, a 60 participantes. O preenchimento dessas vagas será por ordem de inscrição. Somente serão aceitas inscrições para participar de todo o evento. *Dado que el evento estará estructurado en minicursos para todos los participantes, el número de plazas estará limitado, en principio, a 60 participantes. La ocupación de dichas plazas será por orden de inscripción. Serán aceptadas solamente inscripciones para participación en todo el evento.*
- Inscrições, ou pré-inscrições, podem ser feitas via eletrônica para os endereços a seguir. No pedido de inscrição roga-se informar o vínculo institucional, o país de origem, e a razão do interesse em participar do evento. *Inscripciones, o preinscripciones, pueden ser hechas vía electrónica en las direcciones que siguen. En la solicitud de inscripción ruegase informar el vínculo institucional, el país de origen y la razón de estar interesado en el evento.*
- Oportunamente serão dadas sugestões de hotéis. *Oportunamente serán dadas sugerencias de hoteles.*
- Trabalhos poderão ser submetidos até 30 de setembro; a aceitação será comunicada até 15 de outubro; dos trabalhos aceitos, alguns serão selecionados para apresentação oral plenária, os demais para pôster; todos trabalhos deverão estar dentro das temáticas do evento, com extensão máxima de 12 páginas. *Trabajos podrán ser sometidos hasta 30 de septiembre; la aceptación será comunicada hasta 15 de octubre; de los trabajos aceptados, algunos serán seleccionados para*

presentación oral plenaria, los demás en poster; todos los trabajos deberán estar dentro de las temáticas del evento, con extensión máxima de 12 páginas.

coordenador: **Marco Antonio Moreira,**
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Secretárias: Vera Oliveira, infenci@if.ufrgs.br
Adriana Toigo, ienci@if.ufrgs.br

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**International Science Education Conference
(ISEC) 2009**

<http://www.nsse.nie.edu.sg/isec2009/>,

Singapore on 24-26 November 2009

The universality and centrality of science has the capacity to link the different cultures and countries of the world. Science education can enhance the process through emphasis on shared issues and a common future.

Invited Speakers

- Dr. Fouad Abd-El Khalick (Curriculum & Instruction, University of Illinois at Urbana-Champaign, USA).
- Dr. Barbara Crawford (Department of Education, Cornell University, USA).
- Dr. Reinders Duit (Institute for Science Education, Kiel, Germany).
- Dr. Larry Yore (Department of Curriculum and Instruction, University of Victoria, Canada).
- Dr. Benny Yung (Division of Science, Mathematics and Computing, The University of Hong Kong).

Theme

Science Education: Shared Issues, Common Future

The universality and centrality of science has the capacity to link the different cultures and countries of the world. Science education can enhance the process through emphasis on shared issues and a common future.

Conference Strands

1. Professional Development and Teacher Education

The preservice education and continual professional learning of science teachers demand the coordination of various institutions and programmes that places the teacher at the center of attention. Papers here would share lessons from some of the best practices and policies currently available.

2. Science for Early Years

How science can interest and meaningfully engage the very young presents its own special challenges and opportunities. This strand will enable presenters to share their research experiences and frameworks for learning in this neglected field.

3. Assessment and Evaluation

Although assessment seems normative in the instructional processes, one still aspires to construct valid and reliable tests. Studies in this strand would be helpful in moving us forward in providing an equitable education in science for all.

4. Science in Informal Settings

As forms of scientific cognition are often displayed in places other than in school, understanding the complex dynamics and sociocultural factors to facilitate informal learning of science are vital to complement school-based learning.

5. Curriculum, Instruction & Policy

This is a broad grouping that would see people interested in discussing exemplary teaching and learning strategies, forms of teacher thinking such as pedagogical content knowledge, leadership styles, laboratory work, curricular reforms and sociopolitical critique among many other topics.

6. Innovations and New Technologies in Science Education

ICT (information and communication technology) is central to contemporary innovations in science education. Presenters in this strand would be sharing the experience of using ICT in different settings of science education and discuss various aspects of the learning process.

7. Science literacy and Nature of Science

Science educators refer to studies on the nature of science to develop their claims on scientific literacy. Cutting edge issues on scientific literacy and empirical works informed by science studies (philosophy, history, and sociology of science) and/or other humanities and social sciences areas are welcomed here.

8. Science Teaching and Learning

Scientific research drives the improvement of science teaching and learning. New developments in research on teaching and learning science are presented and reviewed.

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INTERNATIONAL CONFERENCE on

“LOW COST HIGH PHYSICS AND APPROPRIATE SOLUTIONS TO REAL LIFE PROBLEMS IN DEVELOPING COUNTRIES”

www.scp-web.org

8 to 10 December 2009, University of Yaoundé I, Yaoundé, Cameroon.

Description

An important problem faced by the majority of Physicists from developing countries is that their research activities are far from developmental goals of their countries. Those of them tackling problems related to some local development objectives will not succeed in publishing their results in good scientific journals. Meanwhile they need publications in

good international peer-reviewed journals for their academic promotion and international visibility.

Researchers carrying out publishable works in international journals rely mainly on the theoretical aspects with sometimes experimental counterpart carried out in developed countries laboratories thanks to various funding institutions and individual contacts abroad. The decision-makers in developing countries, either do not have sufficient fund, or do not find the necessity to fund expensive equipment for research topics that have no direct and immediate links to problems suffered by their population. This constitutes a big threat to the development of physics activities and is certainly the most important cause of lack of public and decision-makers awareness on the benefits that come from research in physics. As a consequence, Physicists who want to maintain their scientific standard generally move abroad to work in stimulating environment, so the braindrain.

Aware of this fact, the Cameroon Physical Society is launching a series of biannual conferences on the general topic: “Low Cost High Physics and Appropriate Solutions to Real life Problems in Developing countries”.

The conferences will be the place for the presentation of scientific achievements in physics that fulfil the following criteria:

- Low cost research topics that can be covered entirely (theory, experiment and application) with low funding,
- High level scientific topics that have been published or are publishable in good international journals,
- Impact on the technological, economic and social development in developing countries. The conferences will also be the place where Physicists acquire knowledge for innovation and entrepreneurship.

The scientific areas for presentations are not limited as far as they satisfy the above criteria. However, because of the strong involvement of Cameroonian Physicists in some fields, the areas of particular interest for the 2009 conference are:

- Statistical Physics and Complex systems,
- Material sciences,
- Atomic and Molecular Physics,
- Renewable energy,
- Medical Physics.

The conference will take place during a period of three days and consists of lectures and case studies.

Organizers:

- Executive Bureau of Cameroon Physical Society :
Prof. P. Wofo, University of Yaoundé I, President,
Prof. O. Motapon, University of Douala, General Secretary and Treasurer,
Dr. S. Zekeng, University of Yaoundé I, Division for Organization of Scientific Meetings,
Dr. S. Nana Engo, University of Ngaoundéré, Division Press and Edition,
Dr. G. Tchuen, University of Yaoundé I, Division Physics and Development,
Dr. R. Tchitnga, University of Dschang, Division of Vulgarisation,
Dr. D. Nkemzi, University of Buea, Leader, CPS Chapter,

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Dr. J.P. Nguenang, University of Douala, Leader, CPS Chapter,

Prof. D.Yemele, University of Dschang, Leader, CPS Chapter,

Dr. M. Kamta, University of Ngaoundéré, Leader, CPS Chapter,

Dr. A. Kenfack Jiotsa, University of Yaoundé I, Leader, CPS Chapter and the committee of honorary members of the Cameroon Physical Society:

Prof. S. Domngang, President of the Cameroon Academy of Sciences, University of Yaoundé I, Cameroon,

Prof. T.C. Kofane, Member of Cameroon Academy of Sciences, University of Yaoundé I, Cameroon,

Prof. E. Manguelle-Dicoum, Member of Cameroon Academy of Sciences, University of Yaoundé I, Cameroon,

Prof. M. Kwato Njock, University of Douala, Cameroon,

International Advisory Board:

- Annick Suzor-Weiner, Université Paris-Sud, Paris, France.
- Hilda Cerdeira, IFT, UNESP, Sao Paulo, Brazil.
- Irina Veretenicoff, Vrije Universiteit Brussels, Belgium,
- Chicgoua Noubek, Universität, Göttingen, Germany.
- Jean Chabi Orou, Université d'Abomey-Calavi, Cotonou, Bénin.

List of confirmed speakers from abroad:

- François Piuze, IGPD (European Physical Society) and CEA Iramis, France,
- Chicgoua Noubek, Universität, Göttingen, Germany,
- Mohamed Belhaq, Université Hassan II-Aïn Chock, Casablanca, Maroc,
- Jean Bio Chabi Orou, Université d'Abomey-Calavi, Cotonou, Bénin.
- R. A. Kraenkel, IFT, UNESP, Brazil,
- H. Cerdeira, IFT, UNESP, Brazil,
- I. Veretenicoff, Vrije Universiteit Brussels, Belgium,
- T. Dirk, VUB, Brussels, Belgium,
- G. Filarella, University of Salerno, Italy,
- J. M'boguipila, University of Bangui, Central African Republic,
- Y. Chembo Kouomou, University of Franche-Comté, France.
- B. Takam, Interstar, Sherbrooke, Canada,
- P.J. Udoh, University of UYO, Nigeria,
- Y. Laré, University of Lomé, Togo,
- M. Zakaria, University of Ndjamen, Tchad,
- M. Baneto, University of Lomé, Togo,

Number of Cameroonian confirmed speakers: 23.

The final and full list of speakers as well as the full programme will be posted in the web site www.scp-web.org at the end of September 2009. The date line for the abstract submission and registration from new participants is 15 August 2009.

Dates and place: From 8 to 10 December 2009, University of Yaoundé I, Yaoundé, Cameroon.

Participation: The participation is open to any scientists from any country. The number of participants will be limited to 60.

Funding: The funding of the workshop is covered by funds from international institutions (International Centre for Theoretical Physics, Trieste, Italy; Agence Universitaire de la Francophonie, IGPD-European Physical Society), the Cameroon Ministry of Higher Education, Cameroonian Universities and Cameroonian enterprises.

Contact for registration: info@scp-web.org.

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VI Congreso Internacional de Didáctica de las Ciencias XI Taller Internacional sobre la Enseñanza de la Física

15 al 19 de marzo de 2010

El Ministerio de Educación de la República de Cuba a través de las direcciones Docente Metodológica, de Ciencia y Técnica, de Formación del Personal Pedagógico (con su red de Universidades Pedagógicas) y del Instituto Pedagógico Latinoamericano y Caribeño, tiene el placer de invitarlo a participar en el VI Congreso Internacional "Didáctica de las Ciencias" y en el XI Taller Internacional sobre la Enseñanza de la Física, que se realizarán del 15 al 19 de marzo del 2010 en el Palacio de Convenciones de La Habana.

Auspician

UNESCO-Habana (ORCALC)

UNESCO-Santiago (OREALC)

UNESCO-París

Convenio "Andrés Bello"

Organización de Estados Iberoamericanos para la Educación, la Ciencia y la Cultura (OEI)

Asociación de Educadores de Latinoamérica y el Caribe (AELAC).

Sociedad Cubana de Física (SCF)

Asociación de Pedagogos de Cuba (APC)

Temática general

Dando continuidad a las ediciones anteriores, el evento tiene como temática general la enseñanza y el aprendizaje de las ciencias exactas y naturales en todos los tipos y niveles de enseñanza, en el marco de la década de la educación para el desarrollo sostenible promovida por la ONU, con especial énfasis en los avances y resultados alcanzados en este campo.

Modalidades

1. Cursos precongreso
2. Conferencias
3. Presentación de trabajos en pósters.
4. Mesas redondas y paneles

5. Presentación de trabajos en talleres

Programa General

- | | |
|---|-------------------|
| 1. Cursos precongreso | 15 de marzo |
| 2. Apertura | 16 de marzo |
| 3. Actividades científicas del Congreso | 16 al 19 de marzo |
| 4. Clausura | 19 de marzo |

Idioma oficial: Español

Las actividades programadas se desarrollarán en sesiones plenarias y en simposios. Entre los simposios ya proyectados se encuentran los siguientes:

SIMPOSIO 1: Década de la educación para el desarrollo sostenible: importancia de la educación científica para la cultura energética y medioambiental.

SIMPOSIO 2: La enseñanza de la Matemática en las condiciones contemporáneas: buenas prácticas y nuevas perspectivas.

SIMPOSIO 3: La enseñanza de la Química y la Biología: avivando la curiosidad y la indagación científica.

SIMPOSIO 4: Divulgación y popularización de la ciencia en formas no escolarizadas de educación científica.

SIMPOSIO 5: Las TICs: experiencias como recurso didáctico y como contenido de las disciplinas científicas en la escuela.

Además como parte del congreso tendrá lugar, como es tradicional el: **XI Taller Internacional sobre la Enseñanza de la Física**

Cursos

El día 15 de marzo se impartirán cursos precongreso sobre temas actuales de la educación científica en general, y en particular de la Didáctica de la Física, la Química, la Biología y la Matemática. Estos cursos serán impartidos por profesores adjuntos o invitados del IPLAC de varios países iberoamericanos, de alto nivel profesional y experiencia

docente. La relación de dichos cursos se podrá consultar en la página Web del Congreso.

Fecha límite para el envío de resúmenes: 15 de diciembre de 2009

Fecha límite para el envío de trabajos: 10 de enero de 2010

Los resúmenes y trabajos se enviarán al correo electrónico

didacien@mined.rimed.cu

Cuotas de inscripción

Inscripción al Congreso: 150.00 CUC

Cursos precongreso: 20 CUC

Alojamiento

Cubatur Eventos es la agencia receptiva oficial del congreso.

Para mayor información contactar a:

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eventos@cbtevent.cbt.tur.cu

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