

ENGINEERING FOR SOCIAL AND SUSTAINABLE DEVELOPMENT

III International Seminar
Ingenieros sin Fronteras - Colombia



Academy-Community
Cooperation
Interdisciplinarity
Impact Technology
Visions from theory and practice

July 7-9
2011
Bogotá, Colombia

<http://isfcolombia.uniandes.edu.co/>

DESCRIPTION

The Third International of Ingenieros sin Fronteras “Engineering for the Social and Sustainable Development” is organized by the *Universidad de los Andes* (www.uniandes.edu.co) and the *Corporación Universitaria Minuto de Dios* (www.uniminuto.edu). Since the success we have achieved working with several communities around the country, as well in the two previous versions of the Seminar, we are motivated to keep promoting this academic space. In this event we are looking to share working experiences and promote technical, social and academic exchange between students, professionals and professors.

The Seminar will take place between July 7th to 9th 2011 in the campus of the Universidad de los Andes. During the last day we will have a session in a community we have working with, located in the neighborhood Ciudad Bolivar (Bogotá). In the Seminar, the following topics will be discussed:

- Cooperation Academy-Community for development
- Learning and Interdisciplinary
- Sustainable technologies for development
- Engineering, Sustainable Development and equity. Vision from theory and practice.

Target public:

- Engineering and other majors students who are interested in topics such as Sustainable Development.
- Professionals who want to update their knowledge.
- Public and nongovernmental organizations which are willing to expand their cooperation network.

SCHEDULE

Thursday – July 7

8:00 am	Registration
9:00 am	Seminar Introduction Diana Calvo MSc. Universidad de los Andes. Colombia Camilo Torres. Corporación Universitaria Minuto de Dios. Colombia
9:30 am	Ingenieros Sin Fronteras: A proposal for social and sustainable development ISF Italia, ISF Colombia
12:30 pm	Lunch
2:30 pm	Risks and emergency engineering Felipe Muñoz Ph.D. Universidad de los Andes. Colombia Walter Cotte. National Executive Director. Colombian Red Cross.
4:00 pm	Julian O’Shea. Curriculum and Research Coordinator. EWB Australia.
5:00 pm	Donna Riley Ph.D. Smith College. USA
6:00 pm	End of the day

Friday – July 8

9:00 am

Sustainable technologies for Development

Piero Fraternali Ph.D. Politecnico di Milano. Italia
Teleconference: IT as a mean for social promotion: experiences from an educative project in a marginal district..

Diana Calvo MSc. Universidad de los Andes. Colombia.

Fabio Fajardo. PhD. Universidad Nacional de Colombia. Colombia. *Ideas and prototypes for appropriate technologies that could be implemented in Colombia*

Jaime Escobar. EAFIT. *Ceramic industry, tourism and alternative energy sources in Carmen de Viboral.*

Riccardo Mereu Ph.D. Massachusetts Institute of Technology. USA.

1:10 pm

Lunch

2:30 pm

Sustainable Development and Equity in Theory

In this discussion we will present the relations and opportunities that exist between engineering, social justice and peace construction. The speakers will expose some projects, highlighting successes, failures and learning during the implementation process.

Moderator: *Andres Valderrama* Ph.D. Technical University of Denmark. Denmark

Donna Riley Ph.D. Smith College. USA

Caroline Baillie Ph.D. University Western Australia. Australia.

María Teresa Gnecco MSs. Corporación Minuto de Dios. Colombia.

4:30 pm

End of the day

SCHEDULE

Saturday – July 9

7:30 am

Buses depart
Venue: Universidad de los Andes.

[Sustainable Development and Equity in Practice](#)

This activity has aims participants can have a direct opportunity to observe the social reality of vulnerable communities in Colombia, an also the joint efforts from ISF and some of these people to improve their living quality.

1:00 pm

[Discussion session](#)

Venue: Uniandes
Discussion with students

End of the day

IMPORTANT: Due to the participation of international speakers, the program is subject to unannounced changes.

INTERNATIONAL SPEAKERS



Caroline Baillie, PhD. University of Western Australia

Leading materials engineer and internationally renowned expert on higher education. First Chair in Engineering Education. Editor of a series of publications in the topics of Engineering, Technology and Society.



Irene Bengo, Msc. Politecnico di Milano

President of *Ingegneria Senza Frontiere*, Milano. Currently is a doctoral student in *Politecnico di Milano*. She has worked in projects related with water and energy supply problems in Colombia and Congo.



Riccardo Mereu. PhD. Politecnico di Milano

Post-doctoral student from MIT and researcher at *Ingegneria Senza Frontiere*, Milano. He is an expert in energy related topics and in project management with technological solutions for generation, distribution and utilization of energy in vulnerable communities.



Piero Fraternali. PhD. Politecnico di Milano

Professor and vice director form Electronics and Information Department at Politecnico di Milano. He has special interest on research oriented to development, from information technologies (database, software engineering, development of web applications, others).

INTERNATIONAL SPEAKERS



Donna Riley. PhD. Smith College. USA

Professor at Engineering Faculty, Smith College. Expert in methodologies that combine engineering and social sciences to characterize and communicate chemical risks. The most recent projects focused on mercury usage risks in Latin and Caribbean communities.



Walter Cotte. Colombian Red Cross National Executive Director.

Education in security, administration and risk management, health, humanitarian law and humanitarian logistics. Experience in disaster relief in Armero, Eje Cafetero, Paez emergency, Nicaragua, Venezuela and Iraq.



Julian O'Shea – Curriculum and Research Coordinator Engineers Without Borders, Australia.

He works with students and universities on international development research programs. He has worked on projects in Central America, Eastern Europe, South Asia and Southeast Asia.

REGISTRATION

The registration fee per person is **COP 100.000** (aprox USD\$55). Inscriptions will be handled on a first-come first-serve basis. Limited space is available.

Payment options:

- Online payment (bank or credit card)
- Deposit in Banco de Bogotá (Colombia)
- Deposit in Citibank (other countries)

For more information about payment options, please visit our webpage: <http://isfcolombia.uniandes.edu.co/>

Please pre-register regardless of the payment option you choose: http://eventos.uniandes.edu.co/descripcion_evento.php?id_evento=587

Bogotá offers a variety of possibilities for accommodation. We recommend the following hotels that have agreements with the Universidad de los Andes:

- Hotel Continental
- Crowne Plaza Tequendama
- Hotel de la Opera
- Hotel Estelar Suites Jones
- Hotel Ibis
- Hotel Casa Deco
- Hotel Casona del Patio



For more information about Hotel and Travel, please visit: <http://isfcolombia.uniandes.edu.co>

HOTELS

COLLABORATORS



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NACIONAL
DE COLOMBIA

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