

NJH bulletin 56

Norsk jord- og halmbyggeförening
7. oktober 2009

SEMINAR OM LEIRE OG HALM SOM BYGGEMATERIALE

31. oktober 2009

Sted: Ramme gård, Hvitsten

Latinamerikansk dag !

Spesielt invitert: Professor ingeniør Pedro Serrano R.

Universidad Tecnica Federico Santa Maria, Chile

Han er en pioner i sosialt hensiktsmessig teknologi og forskning i Latinamerika

og har stått for en lang rekke spennende prosjekter, ikke minst i fattige områder.

President i Fundacion Terram www.terram.cl

Foredragene hans blir på engelsk.

Se mer om ham bakerst i bulletinen.

- 10.30 Registrering m.m.
- 11.00 Innledning fra Norsk Jord- og Halmbyggeförening (NJH) v/ ark. Finn Østmo.
- 11.10 Noen eksempler fra moderne arkitektur med leire og halm i Latinamerika.
v/ Julio E. Perez, arkitekt GAIA OSLO as
- 11.30 Foredrag del 1: Leire og halm som byggematerialene i Chile. Teknologi.
Prof. Ing. Pedro Serrano.
- 13.00 Lunsj (suppe og brød).
- 13.30 Omvisning til eksempler på bygging med leire og halm på Ramme gård.
v/ Frederica Miller, arkitekt GAIA OSLO as
- 14.00 Foredrag del 2: Leire og halm som byggemateriale. Eksempler.
Prof. Ing. Pedro Serrano.
- 15.30 Pause med kaffe m.m.
- 15.45 Foredrag del 3: Solar-restaurant og antarktisk prosjekt
Prof. Ing. Pedro Serrano.
- 16.30 Slutt

Påmelding

Påmelding til NJH v/ Finn Østmo på mail: finn@ostmo.com eller telefon 66 96 02 60 / 99 235 222 innen **mandag 26/10**. Pris: 300 kr, 150 kr for NJH-medlemmer.

Det er fint om dere sier i fra om dere har plass til flere i bil, eller ønsker å sitte på med noen, så skal vi prøve å koordinere, inkludert transport fra Vestby stasjon.

Reisebeskrivelse

Tog til Vestby stasjon - se ovenfor. Med bil: Fra E6 tar en av ved avkjøring til Vestby syd og følger veien vestover til Hvitsten i ca. 5 km til skilt for avkjøring til Ramme gård til høyre.

Arrangør: Norsk Jord- og Halmbyggeförening (NJH) www.naturligbyggeri/halmhus

Et samarbeid mellom:



UNIVERSIDAD TECNICA
FEDERICO SANTA MARIA Chile

OSLO as Norge

GAIA



Mer om foredragsholderen:

1. PERSONAL DATA

Name : Pedro Rolando Serrano
Birth Date : 21-11-1951
Nationality : Chilean
Identity card, passport : 4.827.349-1
E-mail : pedro.serrano@usm.cl



2. SUPERIOR ESTUDIES

1976(Title): Electronic engineer University Federico Santa María Chile,
1981: Lighting expert, electricity dept. University Católica de Valparaíso,
Chile
1984: Stage on solar architecture, Unité Arq, Université Catholique de
Louvain La Neuve, Belgique.

3. ACADEMIC WORKS

1976-1982: Professor, Fac. Architecture, UCH, Universidad de Chile
Valparaíso,
1996-2007: Professor, Fac. Architecture, UTEM, Technical Metropolitan
University, Santiago, Chile
1998-2007 Especial guest Professor, Architecture School Talca University.
1998- 2009 Professor and researcher architecture department University
Federico Santa María, Valparaiso Chile www.arq.utfsm.cl

4. Burses.

:1984 Bourse Thiers Monde, University Catholic de Louvain, Belgium
: 1996 bourse ASHOKA, social entrepreneurs, www.ashoka.org.

5. AWARDS.

1989: Award Francisco de Asis for the environmental protection. Viña Del Mar

1996: Ashoka International burse, Ashoka fellow from 1996.

1997: Like a President Terram Foundation, award World Bank Development Marketplace for the Project «Low-cost technologies for bioremedies to control salmon-farming environmental impacts».

6. RELEVANT

- Guest lecturer: 26 times, national e international conference speaker.
- RECOSOL coordinator, Iberoamerican network of Solar Cookers, from 2000.
- 32 published books, like principal author.
- Directory President from TERRAM Foundation for sustainable development www.terram.cl
- 64 accepted papers for oral exposition, national and international congress

7. CIENTIFICS SOCIETIES

From 1976 ACHESA Chilean Association on Solar Energy

From 1982 form part of Acoustical Chilean society

From 1981 form part of Lighting Chilean Society.

From 2004 is board member de Solar Cookers International. SCI, www.sci.org

8. Published books (titles in Spanish)

(Listen kan fås ved å kontakte Julio Perez: julio@gaiaarkitekter.no)

9. Soil Architecture an energy research projects

* 1982-1984 associated consuiter, Latin-American Study Centre for Appropriate technologies (CETAL), developments for indigenous communities in Argentine, Chaco Forest, rural development programs in Alto Paraná forest of Paraguay for Guarani's communities, and Works with Mapuches indigenous communities and artisanal fisherman of Chile.

* 1983 -1988, Director of five International Appropriated Technologies Schools for CETAL

* 1986 y 1988, Researcher on land for PRIEN, Energy Researcher Program Universidad de Chile: Development technological prototypes and methodologies for rural education, for disseminating ameliorate combustion systems (firewood) in rural communities in the Chilean IV Region (UNICEF-PRIEN).

* 1988-1989 technical research of solar cookers prototypes used to day in several programs in different regions of the country.

*En 1985, Director, Rural Coast Catholic Vicario Program, funded by Holland government agency Novib, to establish in San Antonio city self-help housing workshops for families hit by the March 1985 big earthquake

*1985 y 1987 develops a manufacturing panel popular workshop, training woman for self manufacture. Researching and implementing prefabricated systems for social housing. Developing a first technical approach to a wood, mad and clay process for participative community housing

Soil building system museum, Talca university.



*from 1985 to 2009 develop and research construction systems with soil, implementing popular schools to forming people and from 1990 a little enterprise to build up soil houses in open market

anti earthquake houses of earth, wood, straw and clay



* 1988 fund and direct ARTESOL, solar artisans, to research probe and diffuse Solar technology Solar dryers, solar water photovoltaic's, distillers, solar cookers, developed Project in Chile and other countries of South America.



1990 technical conuler for Canelo De Nos Corporation, www.elcanelo.cl directing programs of appropriate technology and rural building with wood mad and clay technologies

10 Antarctic

*from 1998 works like researcher in the unit ARQ.Z, Architecture Department , UTFSM, to the " blue ice Architecture " program, developed near South Pole, Antarctica.

In 1999 form part of design team and form part in the expedition that's build up the Polar Station "Teniente Arturo Parodi Alister", EPTAP, in Patriot Hills, with UTFSM and La Division Antarctic division of FACH. Research and develop support systems technology (water efficient use, solar energy, waste ecological treatments) in 2000 form part of design and builder equip, of extension Parodi Polar Station, perfecting systems of sustainable energy

Antarctic sustainable projects: (Polar Parodi Station) 1998-2006



* 1998 y 2005 participle in five Antarctic research missions.

Extreme architecture

*From 2004 develop in the architecture department, UTFSM , a researcher program to design and prove differences sustainable models and prototypes for extreme zone architecture, like disasters, mountains, ice camps, glaciers.

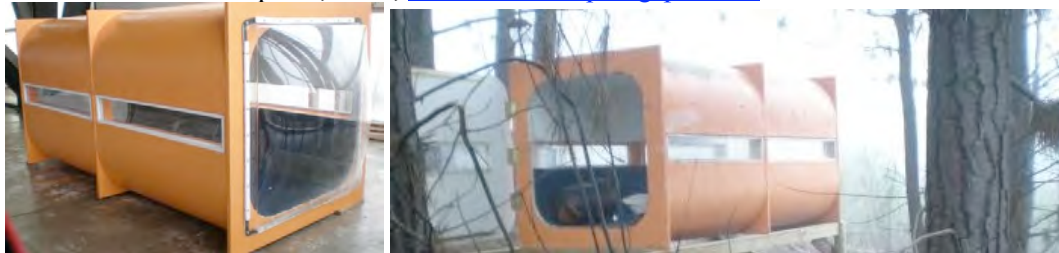
After Disaster Module: 2005



Inflatable city, with plastic garbaje and only 400w domestic fans. 2004



Individual Rescue Capsule, 2007, www.romboarq.blogspot.com



Glacier capsule at 4700 m, 2009



NJHs styre

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Hjemmeside for NJH:

www.naturligbyggeri.no/halmhus Ansvarlig for siden er Rolf Jacobsen (se ovenfor).