



organized by:  
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## Background of SEWC (Structural Engineers World Congress)

**SEWC** is a special Congress which is organized every four years; it was planned and successfully effected by the following associations:

**ACI** (American Concrete Institute) / **IASS** (Intl. Ass. Shell and Space Structures) / **JSCA** (Japanese Structural Consultants Ass.) / **NCSEA** (National Council of Structural Engineers Ass.) / **SEAOC** (Structural Engineers Ass. of California) / **SEI** (Structural Engineering Institute of ASCE)

The past SEWCs were organized round the world: **San Francisco 1998, Yokohama 2002, Bangalore 2007**; the **2011 Congress** was to be assigned to **Europe** and Italy was the final selection.

## Basic data of SEWC 2011

The venue will be the **Villa Erba Congress Center** in Como-Cernobbio on the well known lake located North of Milano: the dates are from April 4<sup>th</sup> to 6<sup>th</sup>, 2011

The patronage of a number of organizations is granted and contributes to the dissemination of the notice of the Congress; announcements were already published in the Journals of some Associations and in technical magazines, while the web site [www.sewc-worldwide.org](http://www.sewc-worldwide.org) section [sewc2011-italy](http://sewc2011-italy) is operating

In order to allow for the participation of a large number of delegates coming from several countries and continents, the fees for **SEWC2011** were planned at **650 €** for the normal delegates and at **550 €** for the authors; a reduced fee for students and young engineers coming from developing countries will be applied

The participation fee will include:

- lunches from April 4<sup>th</sup> to April 6<sup>th</sup> - morning & afternoon coffee breaks - welcome cocktail on April 4<sup>th</sup> - farewell dinner on April 6<sup>th</sup>
- a printed copy of the abstracts - a CD with the complete presented papers
- free visit to the exhibition

The number of the participants expected for **SEWC2011** is around **seven hundred**.

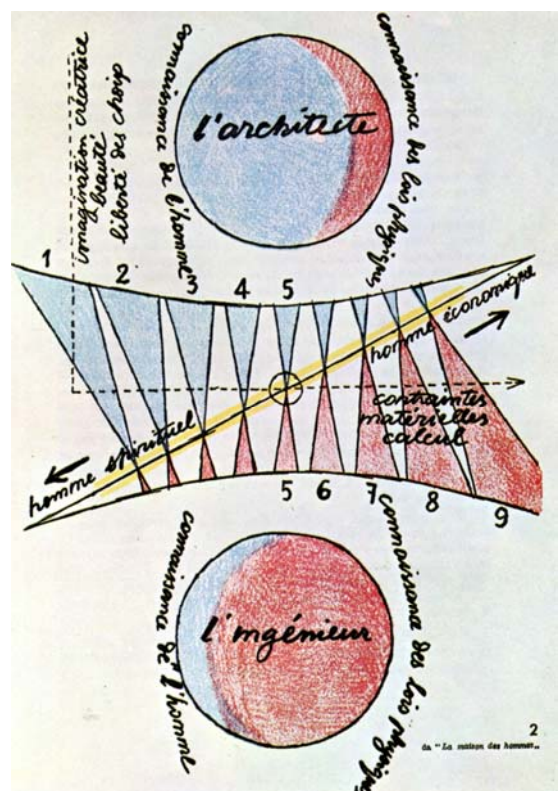
## The themes

The themes are assigned according to the following table with an explicit recall to a sketch of Le Corbusier which correctly represents the synergy with the architects and the construction firms we need for the development of the structural engineering.

ANALYSIS - DESIGN - CONSTRUCTION	
STRUCTURAL AND ARCHITECTURAL DESIGN	"ARCHINEERING"
CONSTRUCTION	STRUCTURAL REHABILITATION
IN LABORATORY AND ON SITE TESTS	
STATIC AND DYNAMIC ANALYSIS	HISTORY OF CONSTRUCTIONS
INVERSE ANALYSIS AND DIAGNOSTICS	NEW STRUCTURAL PROBLEMS RESEARCHES
ACTIONS	ENVIRONMENT
FIRE	CORROSION
WIND	DURABILITY
EARTHQUAKE	SUSTAINABILITY
ABNORMAL LOADS	RESISTANCE
PROBLEMS AND SOLUTIONS	GREEN STRUCTURES
MATERIALS	COMPONENTS
CONCRETE	BEARINGS
STEEL	JOINTS
WOOD	ISOLATORS
ALUMINUM	DAMPERS
GLASS	CABLES AND STAYS
COMPOSITES	
DEVELOPMENT AND USE OF MATERIALS	DEVELOPMENT AND USE OF DEVICES

INTRODUCING  
INVITED LECTURES

MINI SIMPOSIA



## The Scientific Committee

Eminent professors and professional engineers specialized in the Congress topics and resident in a wide number of countries were appointed for the evaluation of the submitted abstracts, for the revision of the final papers, and for chairing the sessions.

At the end of December 2010, 336 abstracts were received and around **300** were accepted for the presentation in the sessions; additional ones were received and are being evaluated.

## The invited lecturers

World wide known experts were appointed for giving general lectures on the above said themes:

Calzòn Martinez J.	Spain	Forms, structures and energy Analysis of structural effects of time dependent behavior of concrete: an internationally harmonized format
Chiorino M.	Italia	Pier Luigi Nervi: Architecture as challenge
Chiorino M...	Italia	About structural details
Giuliani M.E.	Italia	New stadium structures
Goepfert K.	Germany	Solar chimneys
Kraetzig W.B.	Germany	Diagnoses of structures by inverse analysis
Maier G.	Italia	Structures in architecture
Majowiecki M.	Italia	Recent worldwide application of seismic isolation and energy dissipation for their correct use
Martelli A.	Italia	Conceptual approach and analysis in the structural design of rc tall buildings
Mola F.	Italia	Art and Structural Engineering
Motro R.	France	Scenario-based time-dependent definition of seismic input: an effective tool for engineering analysis and seismic isolation design
Panza G.	italia	Rhythms in steel structures
Samyn P.	Belgium	Bridges and architecture
Siviero E.	Italia	Shell structures
Sundaram R.	India	Bridges in historical sites
Virlogeux M.	France	High rise buildings under earthquake effects
Lagos R.	Chile	

## Special sessions and mini-symposia

Binda L.	Italia	Assessment and repair of Historic masonry buildings Time dependent behavior of concrete: prediction models and methods of analysis
Chiorino M.A:	Italia	Seismic protection techniques
Martelli A.	Italia	Actuality of Tensegrity
Motro R.	France	Prestressed and Precast Concrete
Murthy A.	Singapore	Design of innovative solutions for timber structures
Palermo A.	N. Zealand	Engineering versus architecture
Siviero E.	Italia	Aluminum structures
Soetens F.	Netherlands	Steel structures
Zhang	China	Fire engineering
TBD		Super tall buildings
Lagos R.		Bridge Italy Seminar
Briseghella B.-Zordan T.	Italia	Sino Italian Workshop
Siviero E.	Italia	

## Sponsoring and exhibition stands hiring

The balance of the expenses for the organization relies on the sponsor's contribution and on the incomes from hiring of the exhibition stands.

The organizing company is a non profit one; the members of the relevant Steering Committee as well as the ones of the Scientific Committee will not receive any compensation for their services.

The individual contribution of the sponsors ranges between **15000** and **50000 €** (VAT, if applicable, not included).

Each one of the sponsors is invited to appoint a qualified lecturer for a technical, not commercial, presentation (in any case to be submitted for approval by the Scientific Committee).

The sponsor's logos will be included in all the material which will be distributed to the participants.

The sponsor will find a 26 m<sup>2</sup> or a larger stand in the central area of the Villa Erba facility and two badges for participating in the Congress.

As an alternative, for a price of **5.000 €** (VAT, if applicable not included), 13 m<sup>2</sup> stands are available for exhibitors; one badge for participating in the Congress is included.

In order to acquire an immediate benefit from the investment, the sponsor's and the exhibitor's e-links are put in the Congress web site [www.sewc-worldwide.org](http://www.sewc-worldwide.org) section [sewc2011-italy](http://sewc2011-italy). By entering the site and through the links, the products and the services, related to structural engineering and supplied by the companies, are displayed and any eventual technical and commercial contact with the companies which are supporting **SEWC2011** is then possible.

**Stand location and standard equipment**

The exhibition is located in the centre of the facility; see in the figure the relevant plan and the standard equipment for the 13 m<sup>2</sup> stands.



The Villa Erba Congress Center in Como-Cernobbio on the lake shore



**equipment supplied:**

	<b>item</b>	<b>N.</b>
table	1	1
chairs	3	3
clothes peg	1	1
waste paper basket	1	1
chest of drawers	1	1
spot lights	3	3
stand banner	1	1
extinguisher	1	1
power (multiple plug)	1	1
moquette floor (color at choice)	1	1

A typical 13m<sup>2</sup> stand

**dates:**

getting ready since April 3<sup>rd</sup>, 2011 - disassembly afternoon of April 6<sup>th</sup>, 2011

Sponsors



Camera di Commercio  
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PROVINCIA DI COMO



VILLA D'ESTE



other ones expected

Patronage



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COLEGIO DE INGENIEROS DE  
CAMINOS, CANALES Y PUERTOS



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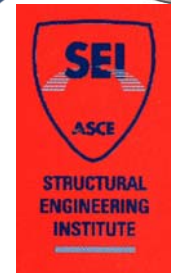


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The Institution  
of Structural  
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other ones expected

Exhibitors



**MAURER SÖHNE**  
forces in motion



other ones expected