

VENICE

Venice is considered among the most beautiful and best preserved cities in the world, unique in the fact that it is the only city in the world built on water. The city has earned the name of



“La Serenissima” (“the most serene”), as throughout the city’s remarkably stable history Venice favoured neutrality and peace when possible. Today the city’s peaceful atmosphere is due to the complete absence of cars; boats provide the only means of transport along a system of over one hundred and fifty canals. For those who prefer to explore the city on foot, more than 430 bridges connect the canals and streets or “calle” together.

Opportunities abound to experience the city’s rich history and culture, with numerous museums and over 200 churches to explore. Central Venice is

divided into six sestieri, or administrative districts, three on each side of the Grand Canal. There are over 100 islands in the lagoon, with an ever declining population of 120,000. Tourists swell this number to around 25 million each year.

Venice airport is one of the biggest in Italy, and it offers several direct connections with Italy, Europe and the rest of the world.

Other good ways to travel are by train and car. The conference will be hosted in the NH Laguna Palace

hotel, which is located in the Mestre district of Venice, on the mainland, very close both to the airport and to the train station.

For more information visit: <http://nhlagunapalace.hotelinvenice.com>



Registration Fees

Early registration is valid until 31th August 2008.

	Early Registration	Late Registration
Speakers:	€120	N/A
Delegates:	€240	€300
Only one-day:	€120	€150

VAT tax (+20%) has to be added

See also special Conference-Hotel package!

Registration Fees Include

Attendance at the Conference, Morning Coffee, Lunch, Afternoon Tea, Conference Banquet, Social Events, Proceedings

Accommodation

Conference-Hotel package: €400 (includes 2 day attendance and 1 night accommodation at Laguna Palace Hotel) – Please book the package on-line via the Conference web-site.

If you prefer to book accommodation separately, please contact the Hotel/s directly for bookings.

<http://nhlagunapalace.hotelinvenice.com>

Conference Secretariat

Consorzio TCN

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Exhibitors & Sponsors

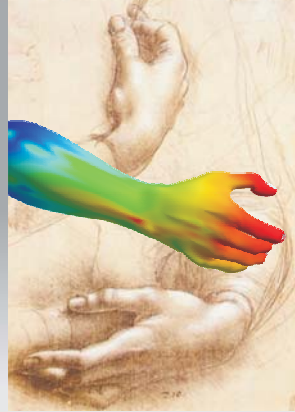
If you are interested in supporting the event by taking exhibition space, please visit: <http://tcncae08.consorziotcn.it>

Exhibitors and sponsors may suggest Workshops for their products. Requests have to be made as early as possible. Please contact TCN to discuss this option.

Venice, Italy, 16–17 October 2008



Background and Mission



Ever since its foundation in 2001, as a consortium of companies and research institutes, TCN's ultimate ambition is to transfer knowledge and education through state-of-the-art technologies from science to industry.

TCN pursues this challenge by offering the most complex range of training courses related to CAE, Virtual Prototyping and Testing, iDP, as well as disciplines dedicated to statistics, data structure, IT and software engineering in general.

At a time, when the world's leading scientists call for interdisciplinary education in computational science, engineering and computing technologies, TCN offers a unique knowledge network to the international learning community.

During the course of the year, TCN's program encompasses on-site short courses, tailor-made training, distance learning, minimasters, master courses, fellowships for young scientists and much more. The TCN CAE Conferences represent a moment in time when academia and research meet industry, traditionally at a key venue.

TCN CAE 2008 will provide an international forum for researchers, scientists, engineers, managers dedicated to the fields of applied computational science and engineering. The Conference will bring together the industrial and scientific worlds of simulation, thus promoting latest advancements in a technology sector that various independent studies regard as indispensable for achieving progress in engineering and science in the 21st century.

TCN CAE 2008 promotes scientific knowledge and its incorporation into simulation-based engineering through computer simulation.

Conference Themes

TCN has placed greatest emphasis on the Conference structure and themes. The ultimate goal is, of course, to meet the expectations of delegates from science and industry, but also to allow for best possible interaction and exchange between the two worlds.

The opening plenary session on Thursday reflects the four pillars of TCN and the conference: Academia - Industry - Research - Software. Four eminently respectable speakers will inspire the audience by highlighting unique perspectives.

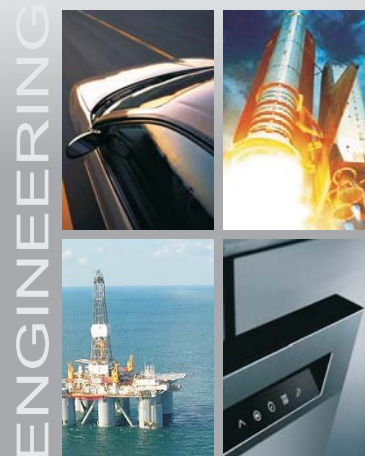
The afternoon program will be dedicated to Simulation-based Science with four parallel sessions focusing on the key areas of:

- Medicine (Computational Bioengineering, Biomechanics, Biomedical)
- Materials (Multi-scale approaches)
- MDO, Robust Design & Decision Making
- Education and Knowledge transfer in Computational Science and Engineering

Friday's Program will feature Simulation-based Engineering, in particular multi-disciplinary approaches, in the four main industries of:

- Automotive
- Aerospace
- Power Energy (Oil & Gas, ...)
- Process & Manufacturing

While each session is dedicated to a specific industry, the program will strike a balance between industrial applications and research. Key issues, such as advances in numerical methods, software developments, the limits of current technologies, next generation algorithms, computational performance, necessary developments and future challenges will be discussed.



ENGINEERING

Call for Papers

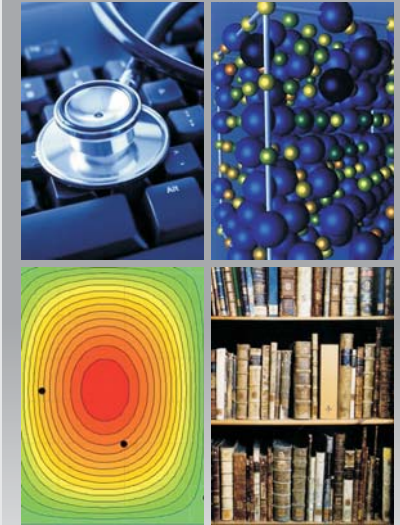
The scientific program will include plenary, invited and contributed talks and poster presentations. Plenary papers will be allotted 45 minutes; contributed papers will be allotted 20 minutes. Poster papers will be on display throughout the Conference. The official Conference language is English.

The organizers invite submissions of high-quality papers and posters that review and assess the use of computational technologies and stimulate future trends in the development of computational technologies for industry. Researchers and professionals in these areas interested in submitting their work to TCN CAE 2008 should consider sending a brief description of their work (400 words) before the submission deadline. As always, the industrial relevance of the application and the excellence of the ideas will be the predominant criteria for acceptance. Abstracts should be submitted only through the Conference website: please access it and follow the instructions. For accepted contributions, a short final paper of up to 4 pages will be published in the Conference proceedings after the Conference. Selected papers may also be published in special issues of international journals following the Conference.

Key Dates:

- Deadline for submission of abstracts/posters: 30 th June 2008
- Notification of acceptance of abstracts/posters: 31 th July 2008
- Poster material due: 31 th August 2008
- Deadline for submission of final papers: 31 th August 2008

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SCIENCES