

Short Course on Gas Explosion, FLACS Software workshop & Open Industry Seminar

Explosion Loads Modelling

Time: July 6-8, 2010

Venue: Università degli Studi di Roma La Sapienza, Via Eudossiana 18, Roma

Price: Free to attend

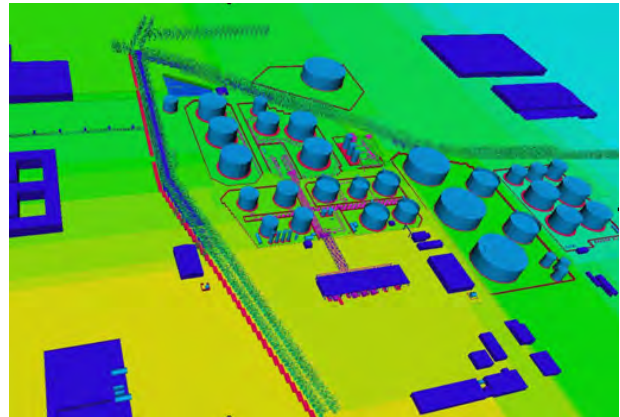
GexCon gladly welcomes you to a Short Course on Gas Explosion, FLACS Software Laboratory and Open Industry Seminar.

Presentation:

The event will be focusing on risk assessment methods in which Computational Fluid Dynamics (CFD) can play an important role to solve today's safety challenges.

Three different activities are offered during the three days:

- A Short course on Gas Explosions (Dr K. van Wingerden);
- A FLACS Software Laboratory (F.Chillè);
- An Open industry seminar "Explosion Loads Modeling".



Relevant topics:

- Explosion risk in offshore, onshore, oil and gas industry
- Structural assessment and blast loads
- Hydrogen safety

Agenda

	Tuesday, 6th July	Wednesday, 7th July	Thursday, 8th July
09:00	Course on Gas Explosions Gas Explosion Basics	Course on Gas Explosions Explosion modelling	Handling Exceptions – Registration and introduction
11:00	Course on Gas Explosions Release and dispersion	Course on Gas Explosions Explosion risk analysis	Open industry seminar “Explosion Loads Modelling”
13:00	Lunch	Lunch	Lunch
14:00	Course on Gas Explosions Preventive measures	FLACS Software Lab (session A)	Open industry seminar “Explosion Loads Modelling”
16:00	Course on Gas Explosions Mitigation and control		FLACS Software Lab (session B)
18:00	End	End	Social Event

Content

- Course on Gas Explosions (Dr K. van Wingerden): an introduction to explosion phenomena and explosion modeling;

- FLACS Software Laboratory (F.Chillè) - Participants will have the opportunity to directly access to the FLACS code, solving a complete gas explosion problem; the software lab will be held on Wednesday afternoon (session A, after the Course) and will be repeated on Thursday afternoon (session B, after the Seminar); the two session A and B will have the identical work program, and are offered with the aim to give attendees the opportunity to optimize their engagement along the three days event.

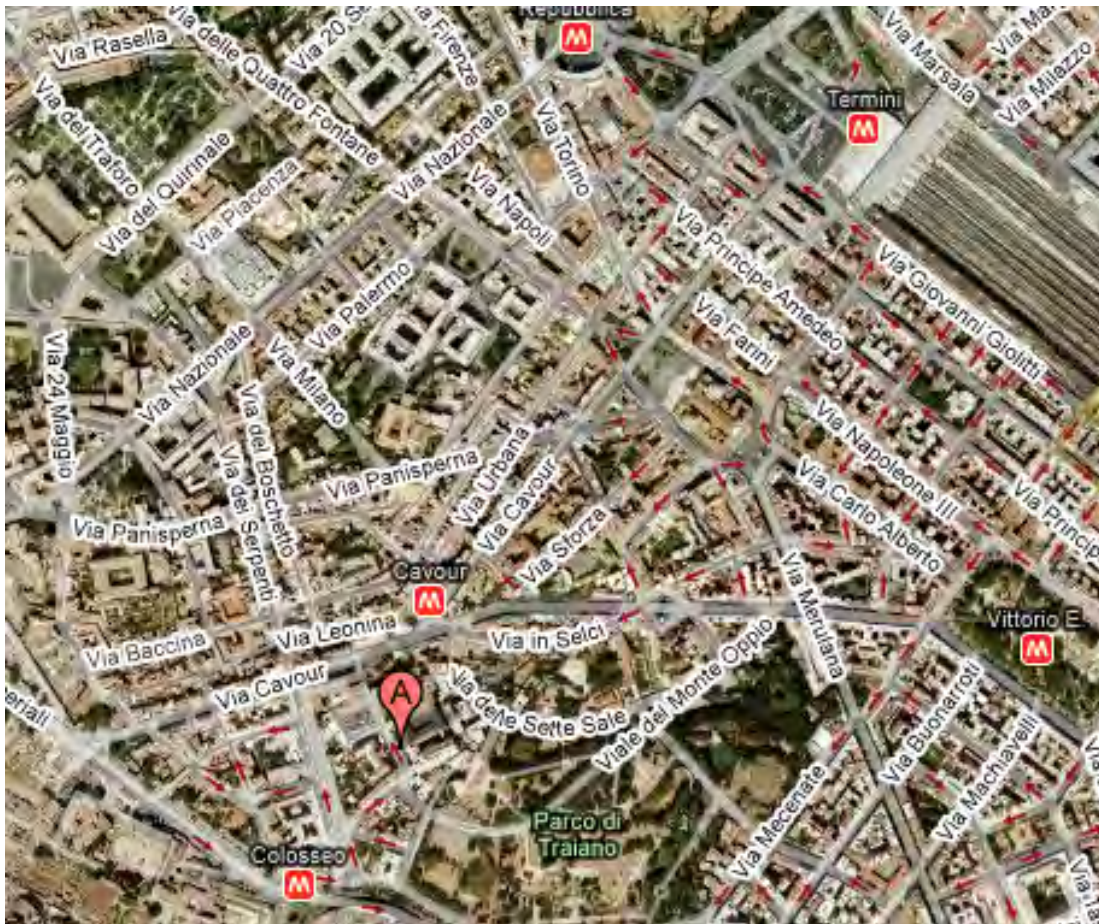
- Open industry seminar “Explosion Loads Modelling” – Within the framework of the workshop “Handling Exceptions in Structural Engineering” (www.francobontempi.org/handling_en.php), a special session is organized by GexCon, dealing with explosion loads modeling for structural assessment. Companies using CFD for safety applications, as well as experts from Universities and Authorities, are invited to present their contribution.



Venue

University of Rome La Sapienza - Faculty of Engineering, Cloister Hall, Via Eudossiana 18, Roma

The Cloister Hall of the Faculty of Engineering of the University of Rome La Sapienza is located in the centre of Rome, between Termini train station and the Coliseum. The closest metro stops are CAVOUR and COLOSSEO of the B line.



CVs

Kees van Wingerden: GexCon AS Technical director; he actively works in the field of experimental research into dust and gas explosions, development of explosion consequence models, explosion protection systems. Since 1977 he has worked as department manager at several institutions and companies (TNO, CMR, Kidde, INCOM, GexCon), and project manager of many projects sponsored by EU and other institutions in gas and dust explosions. He has a lot of experience in accident investigations, risk assessments and experimental investigations for many companies.



Francesco Chillè: GexCon Representative in Italy; he provides local support with respect to both consulting services and FLACS code including training actions. He has a fifteen years experience on blast loads modeling and structural response, with special focus on transformer explosions safety related problems



Registration

It is possible to register to any of the three events (course – FLACS Software Lab – Open Industry Seminar), by sending the following information within June 30 at chille@zcstudio.it

- Name/surname;
- Profession/employer;
- Nationality;
- Events of interest (please tick boxes)
 - Short course
 - Software Lab – session A (july 6th)
 - Seminar
 - Software Lab – session B (july 7th)

Price: Free to attend

GexCon AS

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