

# ATENA ADVANCED USER SEMINAR

Czech Republic-Prague, September 9-11, 2009



## Theme

The seminar is targeted for advanced ATENA users, who want to learn more about the theoretical background of ATENA and its advanced application areas such as ATENA 3D, GiD-pre/post-processing, dynamic, eigenvalue, creep, thermal, or fire analyses. This time the seminar will strongly focus on the features of the new ATENA version 4. The version 4 has been released in 2008 and currently, the version 4.1.3 is being distributed. The main focus will be on the package ATENA Science which includes a new and robust GiD interface and supports new analysis types such as nonlinear dynamic and eigenvalue analysis.

## Program

### Day 1: Advanced ATENA topics

Concrete material model  
Fiber-reinforced concrete  
Reinforcement bond  
Interface modeling  
Fatigue material  
Strengthening  
ATENA-SARA - probabilistic modelling  
- reliability analysis

### Day 2: ATENA-GiD interface

GiD preprocessing  
Running analysis with AtenaWin  
Post-processing in AtenaWin, ATENA 3D, GiD  
ATENA Science practical examples  
- Static analysis  
- Thermal analysis

### Day 3: Creep, Dynamic, and Fire Analysis

ATENA Science advanced analyses  
- Creep analysis  
- Dynamic analysis  
- Eigenvalue analysis  
- Seismic analysis  
- Fire analysis

## Registration

Please, register on-line in web: [www.cervenka.cz](http://www.cervenka.cz) or by e-mail by filling in the registration form and please send it to the address [cervenka@cervenka.cz](mailto:cervenka@cervenka.cz). The registration fee is 480 € payable to the bank account in the registration form. It is recommended to register as soon as possible, the number of participants is limited.

## Accommodation

The participants are required to make their own hotel reservations. There are several internet websites, which can assist you: <http://www.hotelsprague.cz>  
We also recommend the following hotels, which are in the vicinity of the seminar venue: <http://www.accommodationinczech.com>

**Hotel Praha \*\*\*\*\***

<http://www.htlpraha.cz>

**Hotel Diplomat \*\*\*\*\***

<http://www.praha-hotel.cz/hotel-diplomat-praha.asp>

**Hotel Hvezda \*\*\***

<http://www.firmy.cz/detail/328563-ekipa-cs-hotel-hvezda-praha-brevnov.html>

**Hotel Krystal \*\*\***

<http://www.prague-hotel-krystal.cz>

**Masarykova kolej \*\*\***

<http://www.studenthostel.cz/masaryk.html>

**Penzion JaS \*\*\*\*\***

<http://www.penzionjas.cz>

**Penzion Patanka \*\*\***

<http://www.patanka.cz>

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