Training Course

ABAQUS/EXPLICIT: ADVANCED TOPICS

(Organized by CompMech@UniPV and SIMULIA)

The course emphasizes practical skills and techniques that are needed for analyses with Abaqus/Explicit, from theoretical concepts to actual industrial applications to reinforce the concepts and issues discussed in the lectures.
More info: http://www.3ds.com/products-services/simulia/services/training-courses/course-descriptions/abaqusexplicit-advanced-topics/

Course provides 15 credits (CFP) for Engineers of Italian National registry.

Location

Department of Civil Engineering and Architecture, Polo Cravino – University of Pavia.

Registration

Participants need to register by sending an e-mail to the Secretariat (see details below). To complete the registration, a scan copy of the bank transfer is required.
Course fee: € 1.000,00
The course will be held with a **minimum number of 5 participants**. If the course won't take place, the registration fee will be refunded 100%. The course is taught in Italian while the course notes are in English. Registration deadline is **19 May**.

Payment

For **private registration** – bank transfer to
Dipartimento di Ingegneria Civile e Architettura
UBI Banca SPA - Strada Nuova 31/C - 27100 Pavia
IBAN: IT33U0311111300000000046622
SWIFT CODE: BLOPIT22776
Purpose of payment: Abaqus Course + attendee's name

For **public institution** – bank transfer to
Dipartimento di Ingegneria Civile e Architettura
Banca d'Italia
INSTITUTION CODE: 81001
CURRENT ACCOUNT: 37198
Purpose of payment: Abaqus Course + attendee's name

COURSE PROGRAM

Day	Lesson	Time	Location
05/06	Lesson 1: Overview of Abaqus/Explicit	10:00 – 12:00	D7 room
	Lecture 1.1 Explicit Dynamics Algorithm and Theory (Prof. A Reali)		
	Lunch	12:00 – 13:30	
	Lesson 2: Elements	13:30 – 15:00	D7 room
	Coffee Break	15:00 – 15:15	
	Lesson 3: Contact Modeling	15:15 - 17:00	D7 room
	Workshop 2: Impact of a Dodge Caravan Bumper Against a Rigid Barrier	17:00 – 17:30	D7 room
06/06	Lesson 4: Quasi-Static Analyses	09:30 - 11:00	D7 room
	Coffee Break	11:00 – 11:15	
	Workshop 3: Quasi-static Analysis of a Rubber Bushing	11:15 – 11:45	D7 room
	Lesson 5: Constraints and Connections	11:45 – 13:30	D7 room
	Lunch	13:30 – 14:45	
	Lesson 6: Impact and Postbuckling Analyses	14:45 – 16:30	D7 room
	Coffee Break	16:30 – 16:45	
	Workshop 4: Crushing of a Tube	16:45 – 17:15	D7 room
07/06	Lesson 7: Material Damage and Failure	09:30 - 11:30	D7 room
	Coffee Break	11:30 – 11:45	
	Lesson 8: Importing and Transferring Results	11:45 – 13:30	D7 room
	Lunch	13:30 – 14:45	
	Workshop 5 Bird Strike Simulation	14:45 – 15:15	D7 room
	Coffee Break	15:15 – 15:30	
	Questions & Answers session	15:30 – 17:00	D7 room

Secretariat

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