1st FLUKA Advanced Course/User Workshop

Ericeira, Portugal, October 4th-8th 2010

Acknowledgements:

Many people contributed to make this Course possible:

- **Pedro Vaz** (ITN – Lisbon), who suggested the site, and helped with all organization

- The **Nuclear Energy Agency Data Bank**, and in particular **Juan Manuel Galan**, which provided financial support

- The **Abreu agency**, and in particular **Helena Desiderio**, which took car of most practical aspects with great efficiency

- The **FLUKA team**, and in particular **Vasilis Vlachoudis** and **Francesco Cerutti**

Program

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:30 - 9:00	Registration and Installation	Geometry	Tracking optimizations, and customized magnetic fields	Materials	Exercise
9:00 - 9:30	Welcome to the Course/Workshop				
9:30 - 10:00	FLUKA: An overview	Exercise	Exercise	Exercise	
10:00 - 10:30					
10:30 - 11:00	Break	Break	Break	Break	Break
11:00 - 11:30	Flair	Exercise	Source implementation	Biasing: Guide your simulation with advanced variance reduction techniques	Additional examples
11:30 - 12:00					
12:00 - 12:30	Exercise	FLUKA Programming: commons, user routines, and libraries	Exercise	Exercise	Remaining questions and possible answers, Closing
12:30 - 13:00					
13:00 - 13:30	Lunch	Lunch	Lunch	Lunch	Lunch
13:30 - 14:00					
14:00 - 14:30					
14:30 - 15:00					
15:00 - 15:30	Geometry	T. Ogawa [PDF 1]	Scoring	P. Job [PDF 1]	
15:30 - 16:00		C. Sunil [PDF 1]		M. Benmerrouche [PDF 1]	
16:00 - 16:30	Exercise	R. Froeschl [PDF 1]	Exercise	D. Nilgun [PDF 1]	
16:30 - 17:00		Z. Zajacova [PDF 1]		S. Koren [PDF 1]	
17:00 - 17:30	Break	Break	Break	Break	
17:30 - 18:00	Exercise	V. Gostishchev [PDF 1]	Exercise	C. Baumer [PDF 1]	
18:00 - 18:30		M. Santana [PDF 1]		M. Chin [PDF 1]	
18:30 - 19:00		M. Trinczek [PDF 1]	Physics optimizations, and proper threshold selection	O. Hartmann [PDF 1]	
19:00 - 19:30		-		-	

Announcements:

➢ A **cocktail party** is organized for **Tuesday** evening, outside (if possible), *7.30 pm*

➢ There will be **shuttles** to the airport on Friday afternoon, and on Saturday. Who did not yet provide their **return flight information** please provide them asap!!

➢ The **presentations** for the **User Workshop** sessions should be uploaded before or at the lunch break immediately before the sessions

Announcements:

➢ A FLUKA **beginner Course** will be organized at **Heidelberg**, 2nd half of March 2011

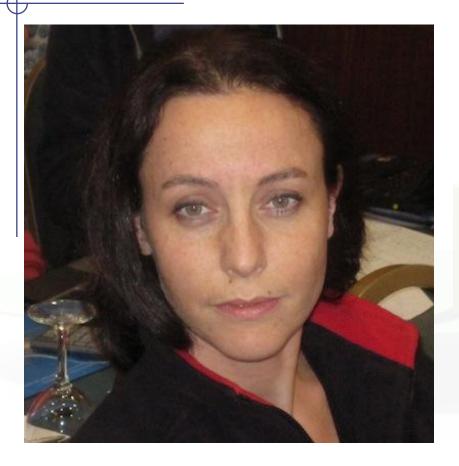➢ There will a **small test** carried out at the end of this Course

➢ … those **failing the test** will be automatically subscribed to the beginner course …
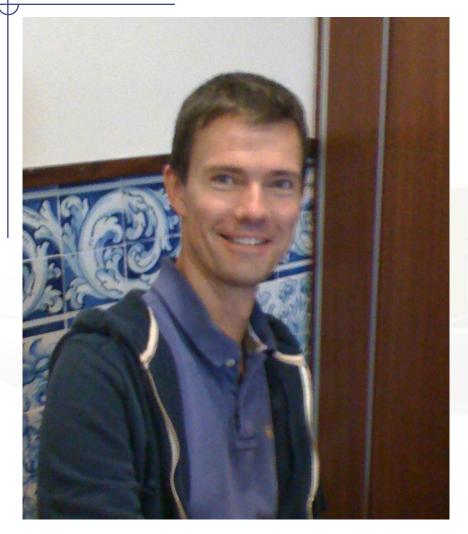
Teachers:

Anna Ferrari
FZD Dresden-Rossendorf

Teachers:

Silvia Muraro
Infn Milan

Teachers:

Stefan Roesler
CERN

Teachers:

Alfredo Ferrari
CERN

Teachers:

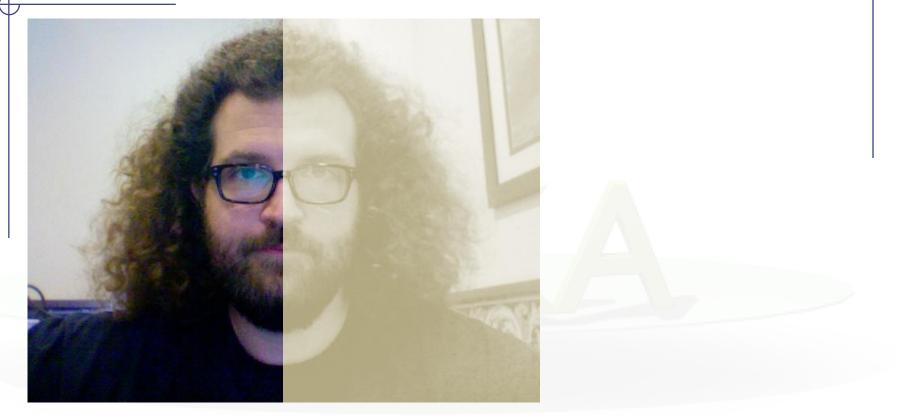*Vasilis Vlachoudis*
CERN

Teachers:

Francesco Cerutti
CERN

All difficult questions should be addressed to this individual

Half-teacher/Half-student:

Vittorio Boccone , CERN