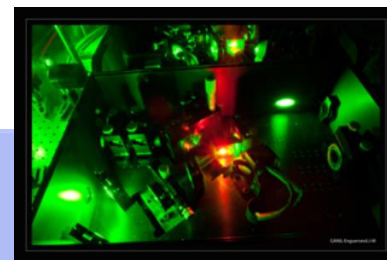
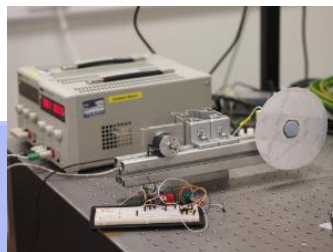




# Advanced School on Laser Applications at Accelerators

From 28<sup>th</sup> September to 3<sup>rd</sup> October 2014  
Hospedería Fonseca, Salamanca (SPAIN)



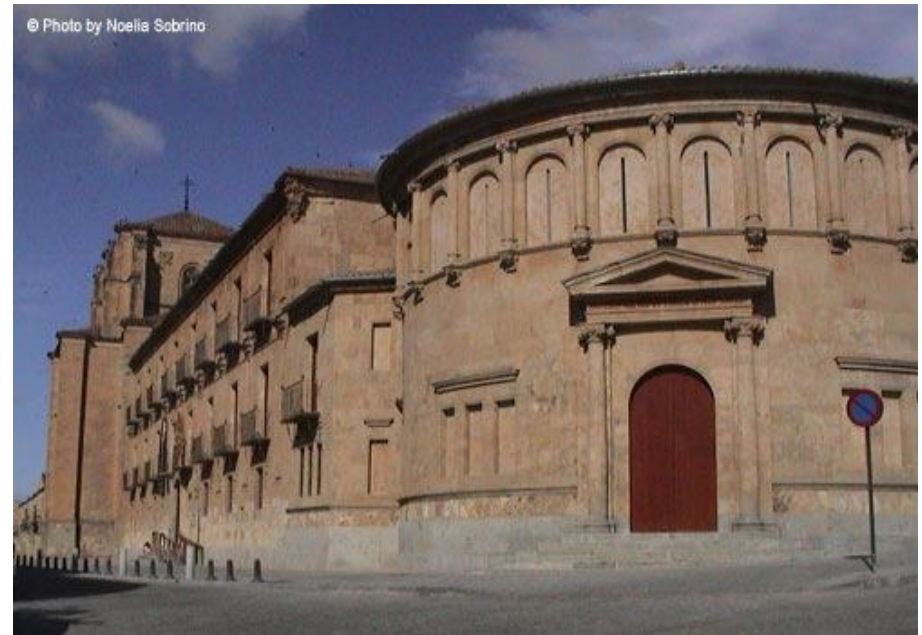
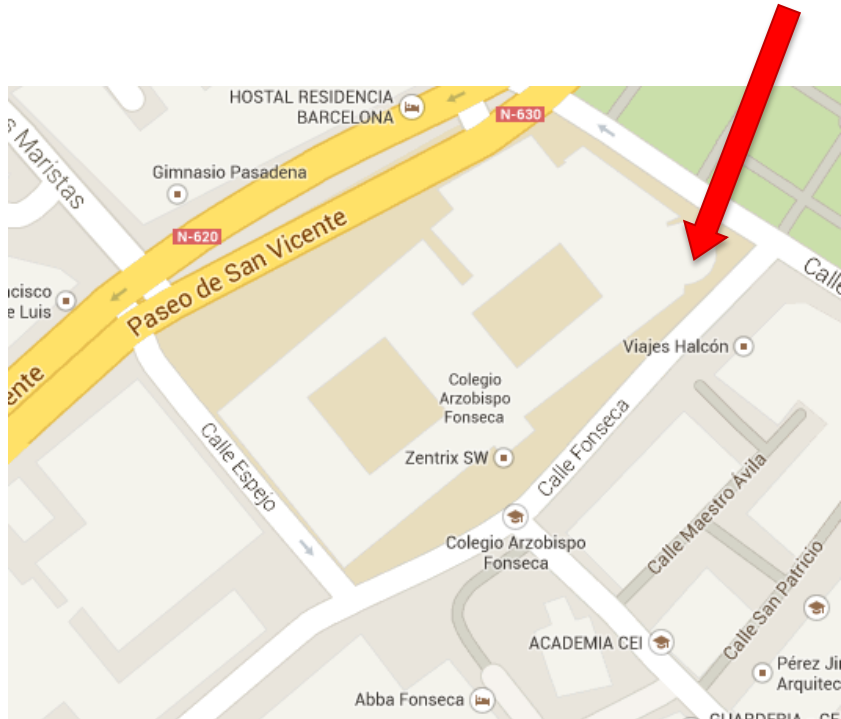
*This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no 289191*

# Our week in Salamanca

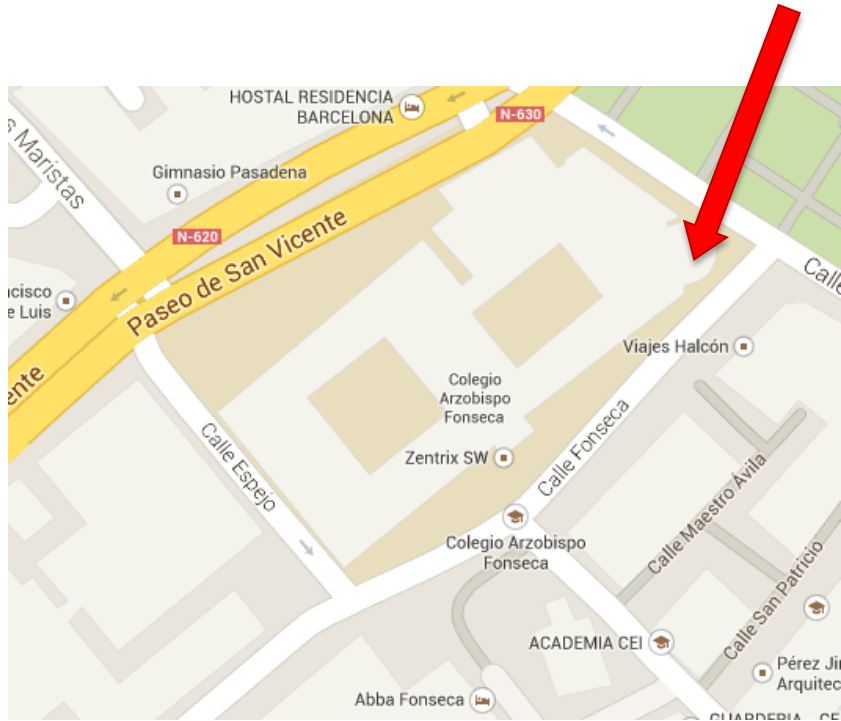


Third LA <sup>3</sup> NET school. Advanced laser applications: CLPU, Spain					Monday 29 September to Friday 3 October 2014	
	Monday 29th	Tuesday 30th	Wednesday 1st	Thursday 2nd	Friday 3rd	
8:30 9:30	Welcome / Introduction <u>USalamanca (Luis Roso, CLPU)</u> Admin/logistics <u>Enrique Conejero, CLPU</u> <u>LA<sup>3</sup>NET</u> <u>Rob Ashworth, ULIV</u>	Laser ion sources at RILIS – main applications: <u>Klaus Wendt, UMainz</u>	Ion acceleration: <u>Andrea Macchi, CNR/INO Pisa</u>	Industry session I: trends in laser technology. Applications of high peak power lasers; latest development for PW class laser at Amplitude Technologies & example of layout of installed systems <u>Julie Six, Amplitude Technologies</u>	08:30 start for SB and fellows. 09:30 start for other delegates  8:30 Supervisory Board (SB) Annual Meeting: Fellows overview of progress	
9:30 10:30	Introduction to lasers & <u>Laserlab:</u> <u>Luis Roso, CLPU</u>	Application of RILIS in gas cell: <u>Iain Moore, JYFL</u>	Novel accelerator schemes including dielectric, meta materials, gradients, simulation: <u>Gil Travish, SLAC</u>	Industry session II: panel session with 3 industry representatives and 2 others. 3 minute pitch for funding then Q&A with audience using voting app.	THz applications: <u>Claudio Paoloni,</u> <u>ULancaster</u>	SB Annual Meeting continued
11:00 12:00	History of accelerator development in Europe: <u>Vinod Chohan, CERN</u>	Photoinjectors: <u>Frank Stephen, DESY</u> <u>Zeuchen</u>	Overview of simulation codes at the interface (VORPOL, plasma generation and interaction with the beam, particle acceleration): <u>Jonathan Smith, TechX</u>	Industry session III: R&D in the laser optics field <u>Julien Vigroux, Thorlabs</u>	SC meet	Compact x-ray sources: <u>Alessandro Variola, LAL Paris</u>
12:00 13:00	Where lasers and accelerators come together: ‘accelerators for everyone’: <u>Carsten Welsch, ULIV</u>	FEL I: Introduction to FELs including seeding schemes, cascading & facility design: <u>Atoosa Meseck, Helmholtz</u> <u>Berlin</u>	Advanced diagnostics (plasma characterisation, laser electron beams, synchronisation, challenges ahead): <u>Jens Osterhoff, DESY</u>	11:30 (Q&A) Study session 90 mins split in 4 groups <u>CLPU / speakers</u>		Industry application of lasers: <u>Dieter Hoffmann, Fraunhofer ILT</u>
<b>LUNCH – Abba Fonseca Hotel except for Wednesday at CLPU</b>						
14:30 15:30	Laser ion sources: <u>Bruce Marsh, CERN</u>	(Q&A) Study session split in 4 groups Steering committee members	Visit <u>CLPU facilities</u> where lunch will be served Approx. 2h00 In groups 16:30: CLPU tour ends Sponsored by <u>Laserlab Europe</u>	Poster session and industry table-top displays with prototypes and demonstrations (Drinks sponsored by <u>Danfysik</u> )	<b>DEPARTURE</b>	
15:30 16:30	Laser acceleration: <u>Arie Irman, HZDR</u>					
17:00 18:00	Laser based diagnostics: <u>David Walsh, Daresbury Labs</u>	FEL II: Advances in FELs. Very short pulses, high brightness & advanced diagnostics: <u>Allan Gillespie, U Dundee</u>	Seminar: Panoramic overview of applications from an industry perspective, future applications and market: <u>Arnd Baurichter, Danfysik</u>			
Eve	18:30: Reception in <u>Salón de</u> <u>Pinturas, Colegio Arzobispo</u> <u>Fonseca.</u> Tapas with wine, soft drinks	18:30: Outreach seminar in Spanish (subtitle EN) Plenary talk on attophysics <u>Luis</u> <u>Plaja, USalamanca</u> <u>Salón de Actos de la Facultad de</u> <u>Ciencias, Plaza de los Caídos</u> Evening meal in Abba Fonseca Hotel	Evening meal in Abba Fonseca Hotel  Guided tour of Salamanca, approx. 1h30	20:00: Formal dinner at Grand Hotel Don Gregorio		

# Hospedería Fonseca

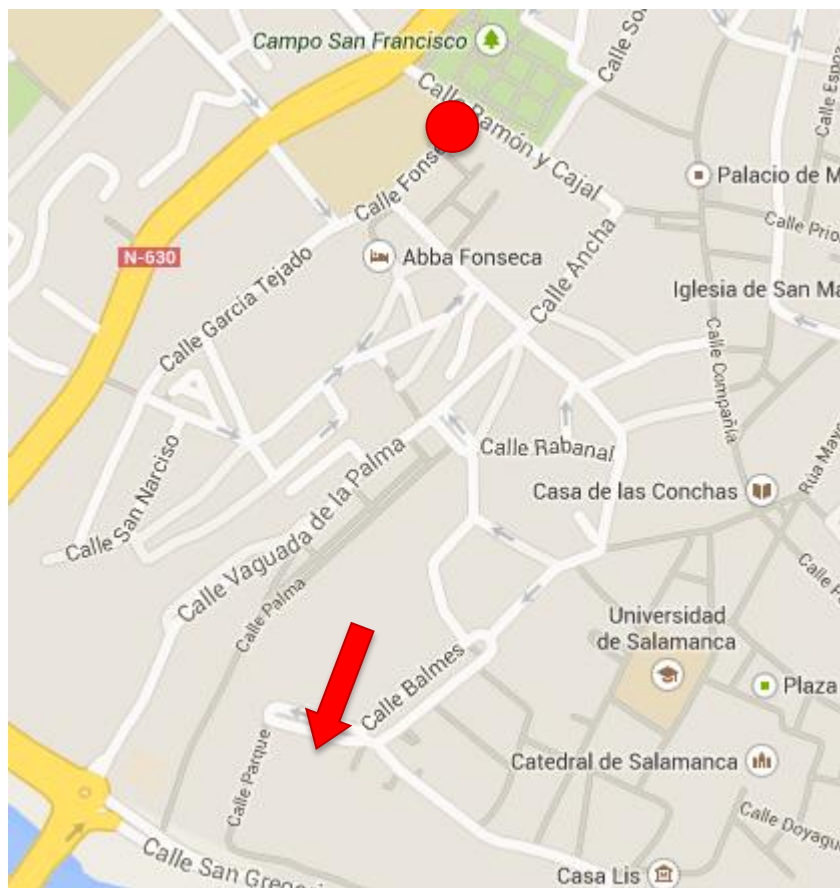


# Hospedería Fonseca



- Lectures
- Coffee breaks
- Q & A sessions (Tuesday and Thursday)
- Poster session and industrial demonstrations
- SC meeting (Thursday)
- SB annual meeting (Friday)

# Outreach Seminar

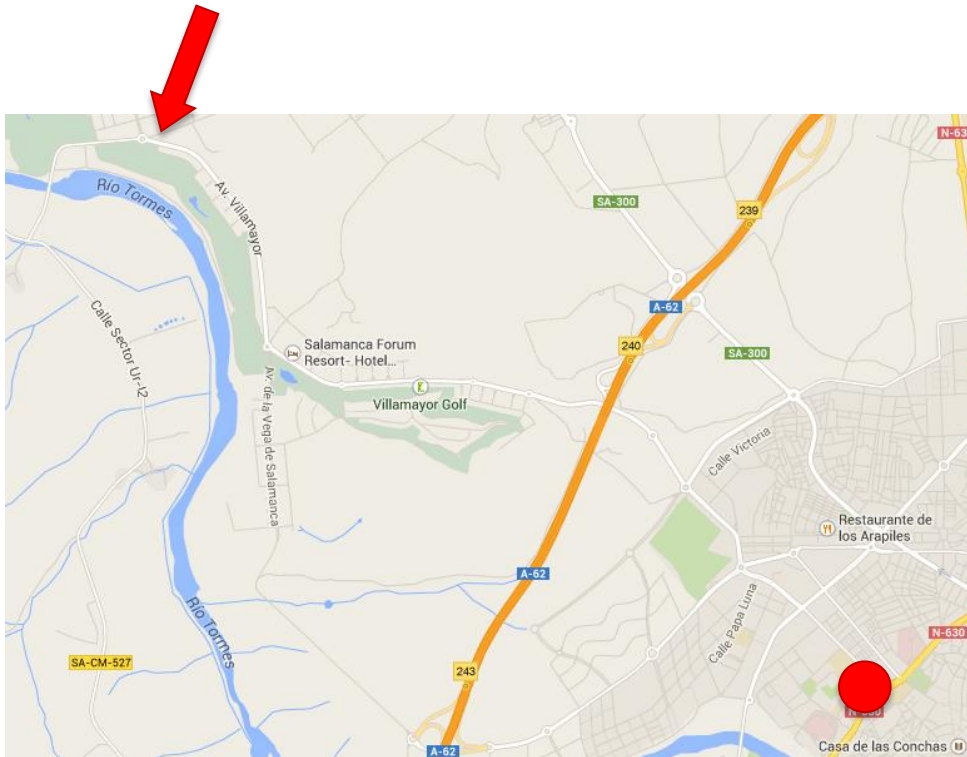


# Outreach Seminar

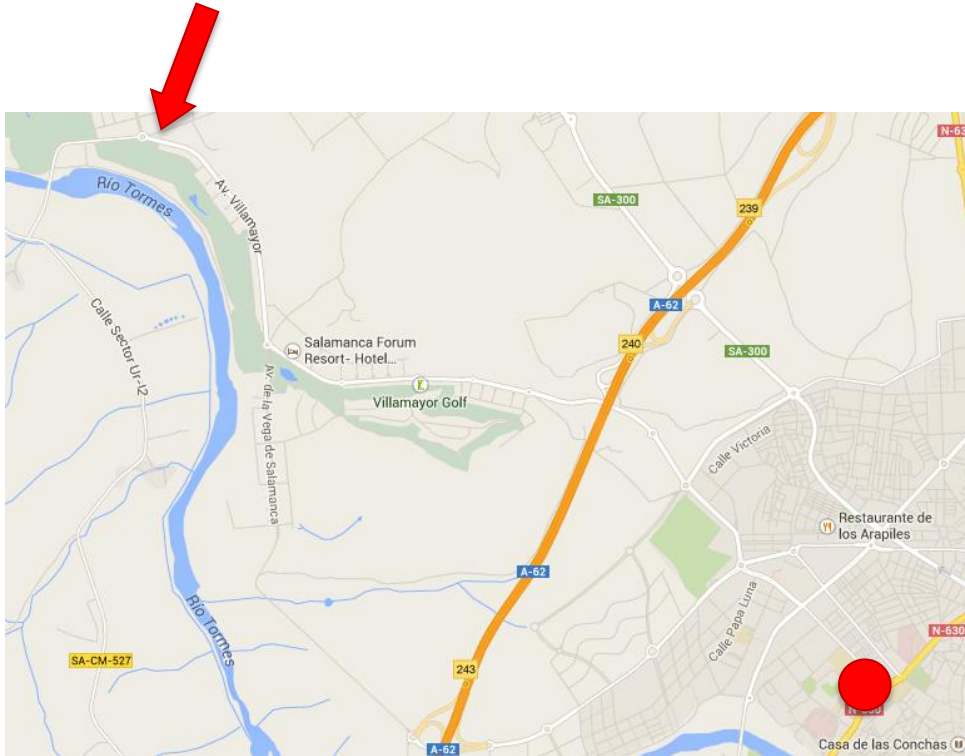


- Tuesday, 18:30
- Salón de Actos, Faculty of Science (USAL)
- Attophysics, Dr. Luis Plaja
- Spanish, with slides in English

# Visit CLPU facilities



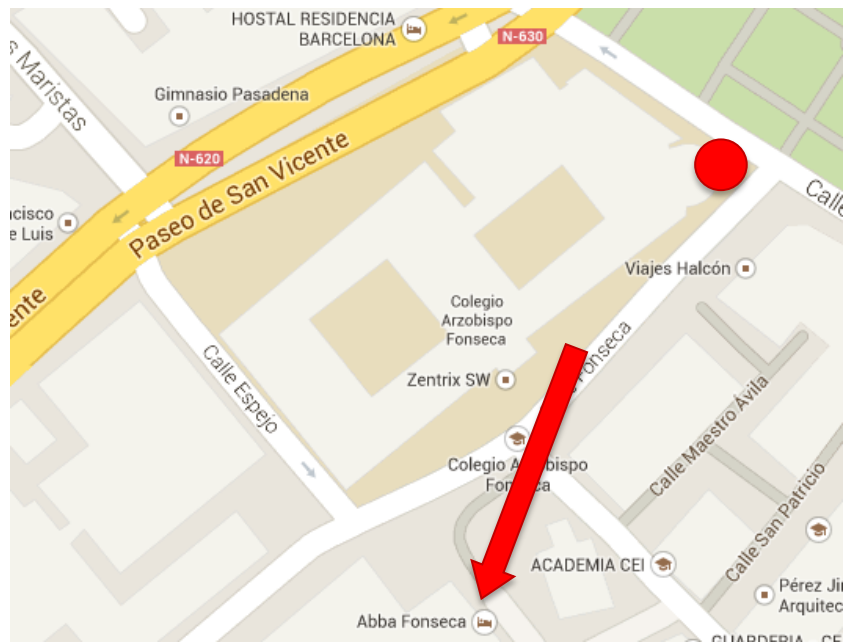
# Visit CLPU facilities



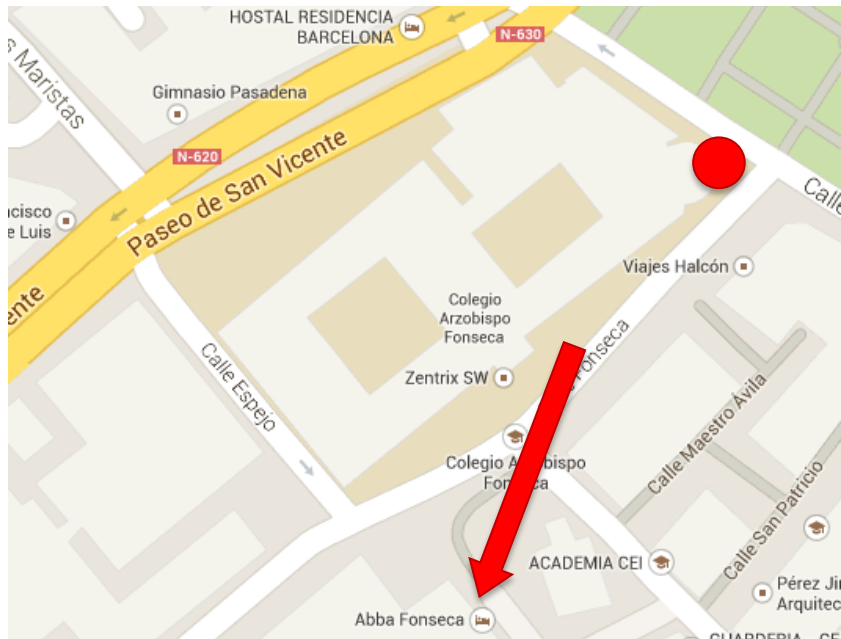
- Wednesday, 13:00
- Bus to CLPU (Villamayor)
- Lunch
- Visit labs



# Meals, Hotel Abba Fonseca



# Meals, Hotel Abba Fonseca



- Lunch: Monday, Tuesday, Thursday and Friday
- Dinner: Tuesday and Wednesday

# Social events



- Monday, 18:30. Reception
- Wednesday, 21:00. Guided tour
- Thursday, 20:00. Formal dinner

# Reception

## Colegio Arzobispo Fonseca



Monday, 18:30 at 'Salón de Pinturas'

# Conference dinner



Thursday, 20:00  
Hotel Don Gregorio

# Internet connection



Wifi network:

LA3NET

password:

salamanca2014

Also Eduroam

# Weather forecast



lun 29				mar 30		mié 01		jue 02	vie 03
0-6	6-12	12-18	18-24	0-12	12-24	0-12	12-24		
0%	40%	35%	15%	5%	5%	5%	30%	40%	35%
10 / 23				10 / 21		10 / 23		11 / 23	11 / 23
-	-	-	-	←	←	↙	↙	↙	↓
0	0	0	0	10	10	10	10	15	5

Have a nice week!