

Seismic Unix summer school in Pau

July 2019

Reflection imaging is the highest resolution geophysical tool used to investigate the subsurface. It's imaging concepts have been developed during the last decades for oil and gas seismic prospection but they are also relevant to GPR for very shallow surveys.

Seismic Unix has been developed during more than 30 years and is probably the most widespread free reflection imaging software.

SU is convenient to :

- teach seismics : SU uses simple elementary processing tools. The source code availability unveils the details of the processing
- process small to medium 2D marine or land surveys : SU cannot compete with industrial grade processing but it allows to process real world seismic data
- process GPR data
- provide SME and independant consultants with a cheap but efficient software

SU is not sold neither supported by a

company. The users community has to :

- fix the bugs : like all other softwares, SU has bugs !
- enhance SU : SU has little support for 3D surveys, statics computations, parallel computing etc.
- write and publish more tutorials and documentation : necessary to attract new users
- elaborate a roadmap for the future of SU : where do we, users, want to go with SU ?

SU summer school will try to adress these two topics by gathering users and developers, beginners and skilled people.

You want to work with Seismic Unix ?

You want to work on Seismic Unix ?

Join us in Pau (France) from July 8th to July 19th for the *Seismic Unix summer school in Pau* !

Don't expect to stay sat in a room all the day long listening to a teacher ! Most of the time will be devoted to hands on work !

Practical informations

SU summer school is targeted at advanced students and young professionals but experienced users are welcome.

Application must contain a short resume showing skills and experience and a motivation letter to explain what you expect from your participation.

The summer schools spans on two weeks. It is possible to attend only one. If you can't come for two weeks, choose the first or the second one on the basis of your experience. The first week will be devoted to basic topics and the second one to more advanced matter.

Accommodation in university rooms or studios is for 2 weeks only. You can also register to the summer school without accommodation.

Price includes lunches and coffee breaks and one dinner per week.

Accommodation and travel grants will be available depending on the amount of sponsoring we can get.

Pau is located in southwestern France and is easily reached from Paris by plane (1h15), high speed train (4h30) or bus (longer, cheaper). There are low cost flights to Biarritz and Lourdes airports too. Toulouse and Bordeaux airports are within 2 hours of bus or train. Pau is located on the highway which links the Mediterranean Sea to the Atlantic Ocean, north of the Pyrenees mountains.

If you plan holidays in the area (before or after the SU summer school !), Pau is located 1h15 of driving from the Pyrenees mountains and from the Atlantic Ocean. Trains and buses are available.

Beginning of July weather in Pau is normally hot but is sometimes rainy and cool.

Prices (provisional) :

- School fees : €120/week
- Accommodation : university room €163 , studio € 263 (for two weeks)

SU summer school is supported par E2S UPPA
(<https://e2s-uppa.eu/>)



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