



UNIVERSITÀ DI PAVIA
Dipartimento di
Scienze della Terra
e dell'Ambiente



INTERNATIONAL WINTER SCHOOL

*"Thermal history of
basin-source systems:
techniques, modelling and
applications"*

INFO AND PROGRAM:

<http://phd-dsta.unipv.it/thermal/>

10-15 February 2020
Pavia, ITALY

TOPICS OF THE COURSE:

GUIDED VISIT TO THE ENI'S LABS.

Thrust belts and sedimentary basins

Tectonic and thermal processes in
sedimentary basins

Microthermometry and Fluid Inclusions

Thermal maturity of organic matter

Illite/Smectite Analysis

Apatite Fission Track Analysis

$^{40}\text{Ar}/^{39}\text{Ar}$ Thermochronology

(U-Th)/He Thermochronology

Zircon Fission Track Analysis

Thermal modelling for hydrocarbon
exploration

NO FEE

10 cfu/ECTS
LECTURES
+LAB.TOUR

dedicated to:
**GRADUATE/PHD/
POST-DOC**

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