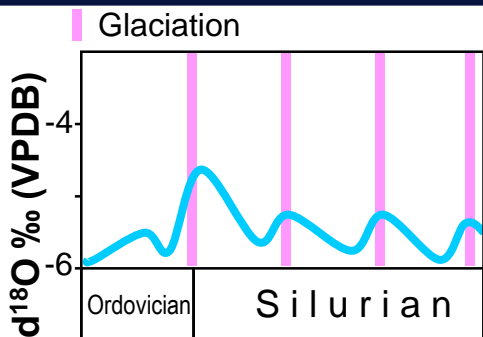
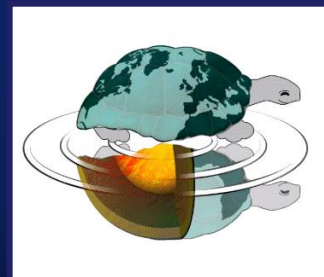




# UNIVERSITÀ DEGLI STUDI DI MILANO

## Corso di Dottorato in Scienze della Terra

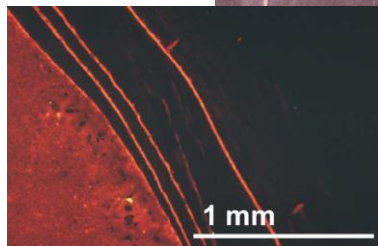
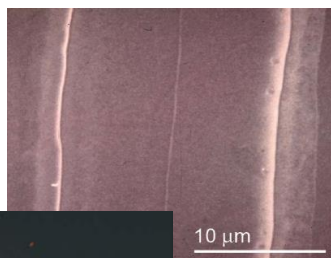


Milano - 2-5 May 2017 - Short course (4 cfu)

Stable isotope and their applications in carbonate paleoenvironment, chemostratigraphy and diagenesis

### PROGRAM

- Introduction
- Decay mechanisms
- Fractionation of stable isotopes
- Hydrogen and oxygen
- Carbon, Sulfur, Strontium
- Isotope signatures of diagenetic cements
- Evaluation of carbonate preservation
- Applications of stable isotopes in chemostratigraphy, paleoclimatology, paleoceanography, diagenesis



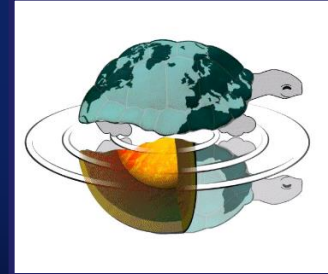
Per informazioni e iscrizione contattare:  
DOCENTE DI RIFERIMENTO UNIMI ([lucia.angiolini@unimi.it](mailto:lucia.angiolini@unimi.it))

Prof. Karem Azmy  
Department of Earth Sciences  
Memorial University, Canada



# UNIVERSITÀ DEGLI STUDI DI MILANO

## Corso di Dottorato in Scienze della Terra



Milano - 2-5 May 2017 - Short course (4 cfu)

### Training objectives:

*The course will provide an introduction to aspects of stable isotope geology particularly those of carbon, oxygen, strontium, and sulfur and their applications in geosciences.*

*The student will be able to understand how to evaluate the reliability of measured isotope signatures using pre-screening petrographic (regular thin sections, cathodoluminescence, and scanning electron microscope - technique principles with examples will be explained) and geochemical (trace element composition) approaches.*

*Examples (case studies) of primary/near-primary signals of various isotopes will be discussed as a part of training on the reconstruction of paleoenvironmental conditions (paleoceanographic and paleoclimatic patterns).*

*On the other hands, the course will explain the utilization of geochemical signatures of secondary calcite phases (e.g., cements), particularly those of oxygen isotopes and trace elements, for the reconstruction of the geochemical composition of the parent diagenetic fluid. This requires the combination of microthermometric measurements with the stable isotopes (case studies will also be discussed), a techniques that will be also introduced during the course.*

**Per informazioni e iscrizione contattare:  
DOCENTE DI RIFERIMENTO UNIMI ([lucia.angiolini@unimi.it](mailto:lucia.angiolini@unimi.it))**

**Prof. Karem Azmy**  
Dipartimento di Geoscienze  
Università di Padova

# TIMETABLE

2 May 9.30-12.30 and 14.30-17.30 **Aula M01** (Via Mangiagalli 31)

3 May 9.30-12.30 **Aula 110** (Via Celoria 20)

3 May 14.30-17.30 **Aula Stoppani** (Via Mangiagalli 34)

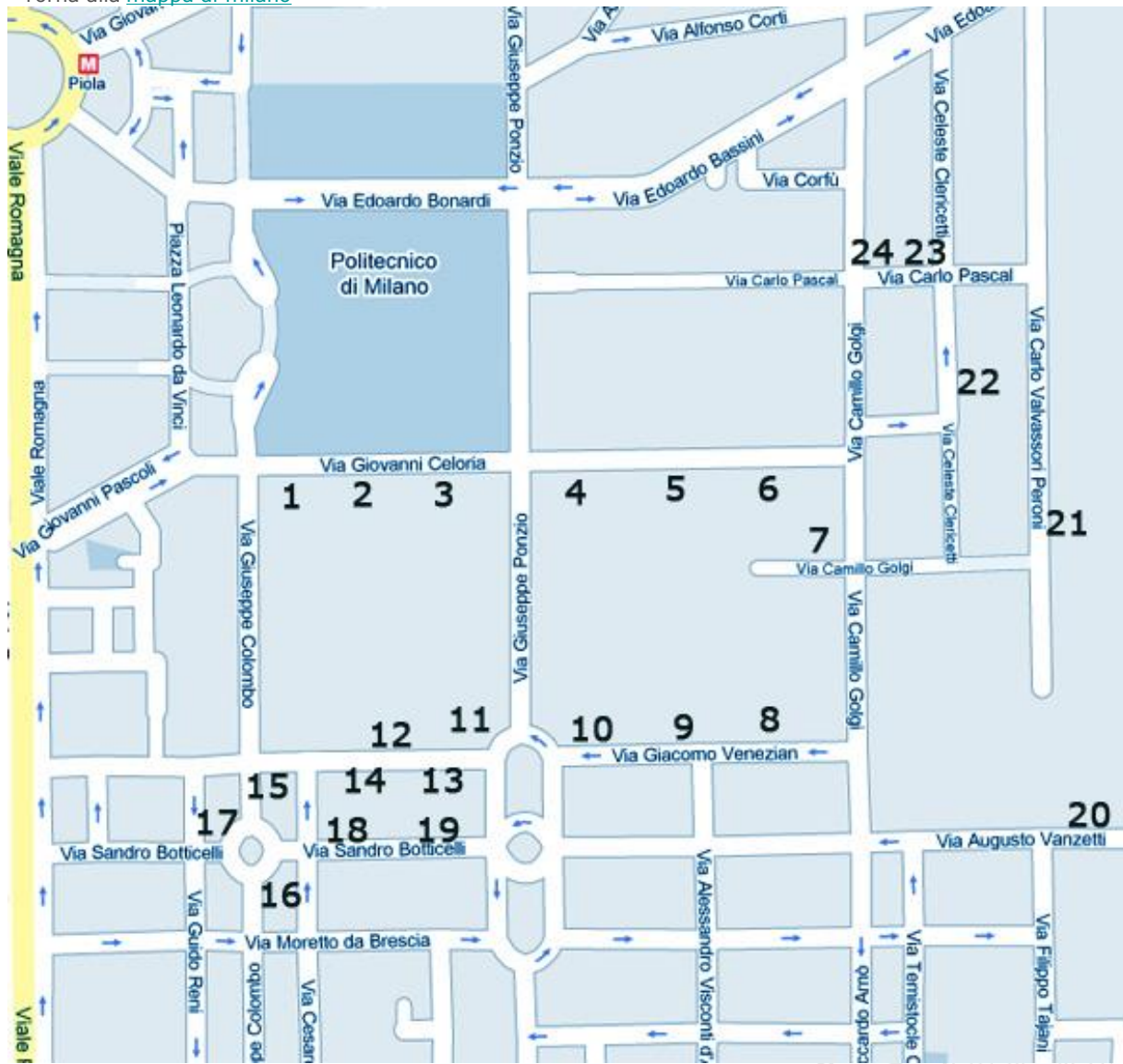
4 May 9.30-12.30 **Aula M01** (Via Mangiagalli 31)

4 May 14.30-17.30 **Aula Stoppani** (Via Mangiagalli 34)

5 May 9.30-12.30 and 14.30-17.30 **Aula Taramelli** (Via Mangiagalli 34)



Torna alla [mappa di milano](#)



1. [Via Celoria 2](#)
2. [Via Celoria 10](#)
3. [Via Celoria 16](#)
4. [Via Celoria 20](#)
5. [Via Celoria 22](#)
6. [Via Celoria 26](#)
7. [Via Golgi 19](#)
8. [Via Venezian 21](#)
9. [Via Venezian 15](#)
10. [Via Venezian 1](#)
11. [Via Mangiagalli 37](#)
12. [Via Mangiagalli 31](#)
13. [Via Mangiagalli 34](#)
14. [Via Mangiagalli 32](#)
15. [Via Mangiagalli 14](#)
16. [Via G. Colombo 46](#)
17. [Via G. Colombo 71](#)
18. [Via Saldini 50](#)
19. [Via Botticelli 23](#)
20. [Via A. Vanzetti 5](#)
21. [Via Peroni 21](#)
22. [Via Clericetti 2](#)
23. [Via C. Pascal 38](#)
24. [Via C. Pascal 36](#)

