



UNIVERSITÀ DEGLI STUDI DI MILANO
SCUOLA DI DOTTORATO IN INFORMATICA

Via Comelico 39/41, 20135 Milano

CORSO DI DOTTORATO

Il Prof. Juraj Hromkovic

Swiss Federal Institute of Technology, Zürich
all'interno della Scuola di Dottorato in Informatica

terrà un Corso dal titolo:

“Design of randomized algorithms.”

April 21	dalle ore 10:30	alle ore 13:30	Aula 5
April 22	dalle ore 14:30	alle ore 17:30	Sala riunioni I fl.
April 23	dalle ore 10:30	alle ore 13:30	Aula 5
April 24	dalle ore 14:30	alle ore 17:30	Sala riunioni I fl.

Abstract

Randomness is a powerful phenomenon that can be harnessed to solve various problems in many areas of computer science. Randomized algorithms are often more efficient, simpler, and, surprisingly, also more reliable than their deterministic counterparts.

There exist computing tasks that require billions of years of computer work when solved by using the fastest known deterministic algorithms, but they can be solved using randomized algorithms in a few minutes with negligible error probabilities.

In this course we systematically teach the most fascinating algorithm design paradigms and try to provide an insight into the nature of the success of randomized algorithms.

Il corso si terrà presso il **Dipartimento di Scienze dell'Informazione**, Via Comelico 39/41.

Persone di riferimento: **Prof. Carlo Mereghetti**