

## Dottorato in Scienze dell'Ingegneria (PhD in Engineering Sciences)

Lectures, seminar and minicourses, year 2015 (they include activities already defined or to be defined):

Title	Speakers and/or Organization	Number of hours date	Main area
Advances methods for material testing – PhD course	Local Organization: Livieri/Tovo Internal (ENDIF) & Italian/international speakers as reported on the brochure	22-25 June 2015 full days	industrial
Extended discretization methods – PhD course	Local Organization: Elena Benvenuti international lecturers as reported on the brochure	7-8 Sept 2015 full days	civil
Introduction to computational complexity, and the polynomial hierarchy of complexity classes	Marco Gavanelli	2h, date to be fixed	information
Advanced technologies and algorithms for ICT	5/6 internal (ENDIF) and external speakers in the area of ICT	10/12h, to be held in autumn/winter	information
Elementi di filosofia e metodologia della ricerca	Giacomo Zanni Davide Viaggi, UniBO	Two half days, date to be fixed	general
Analisi modale sperimentale: Teoria e Pratica	Emiliano Mucchi	8h, date to be fixed	industrial
Metrologia: problematiche e qualità della misura di grandezze fisiche	Michele Pinelli Vincenzo Guidi (to be confirmed)	8h, date to be fixed	general
Diagnosi dello stato di funzionamento di sistemi energetici	Silvio Simani, Pier Ruggiero Spina, Mauro Venturini	8h, date to be fixed	Industrial/information
Gli effetti del terremoto in Emilia Romagna sulle costruzioni	Antonio Tralli	1/2h, date to be fixed	civil
Introduction to models and techniques for wave propagation	Stefano Trillo Miguel Onorato, UniTO Alessandro Valiani Valerio Caleffi	8h, date to be fixed, autumn-winter	general (tentatively)