

## PHD TRAINING ACTIVITIES ORGANIZED BY THE ICAI SCHOOL OF ENGINEERING FOR THE COURSE 2025-2026

Training Activity	Name and Professor	Semester	Hours	Schedule	Classroom
Methodology Seminars (Mandatory)	<b>Welcome Ceremony</b>	1. Sem	2	2 of October, 2025 at 17:00h	ICADE
	<b>Doctoral Research in Comillas</b> (Doctorado e Investigación Científica en Comillas)	1. Sem	12	Organized by the EID <sup>1</sup>	Online
		1. Sem	6	<b>Engineering part:</b> (Prof. Juan Carlos del Real, Prof. Fernando Toral and Prof. Julián/Salma Barquín) Thursday 13.11., 20.11, and 27.11, from 16:00-18:00h.	ICAI A-407
Bibliographic management workshop (Mandatory)	<b>Bibliographic Management Workshop</b> (Taller de gestión bibliográfica)	2. Sem	15	Organized by the EID. Spanish and English (dates available at the EID's Moodle).	
Research seminars (Mandatory 20h)	<b>Current research topics</b> Prof. Paloma Cucala García	Annual	10	1/month. Calendar available in Moodle.	IIT <sup>2</sup>
	<b>Mathematical Optimization for Engineering Systems</b> Prof. Alberto Campos and Prof. Diego Tejada	2. Sem	30	Every Wednesday, start on February 25, 16:00-18:00h.	ICAI A-407
	<b>Forecasting techniques</b> Prof. Antonio Muñoz and Prof. José Portela	2. Sem	10	March 16-21, 2026. 12:30 – 14:30h.	ICAI A-407
	<b>Introduction to Biomechanics</b> Prof. Juan Carlos del Real Romero and Prof. Francisco José López Valdés	2. Sem	10	March 23, 24 and April 7, 13 and 14. 16:00 - 18:00h.	ICAI A-407
	<b>Reinforcement learning</b> Prof. Alvaro López López	2. Sem	10	April 9, 16, 23 and May 7, 14. Thursdays from 12:30 - 14:30h.	ICAI A-407
	<b>Introduction to Python</b> Prof. Claudia Domínguez Barbero	2. Sem	10	May 12, 19, 26, June 2 and 9, 2026. Tuesdays 16:30 - 18:30h.	ICAI A-407
	<b>Advanced optimization modelling for applied research</b> Prof. Pedro de Otaola, Prof. Andrés Ramos Galán	2. Sem	10	From 25 to 29 of May, 2026. 12:00 - 14:00h	ICAI A-407
	<b>Data analysis</b> Prof. Sara Lumbreras Sancho	2. Sem	10	June 3, 5, 10, 12 and 17. 10:00 – 12:00h.	ICAI A-407
Doctorate conference (Mandatory 1 day)	Annual Conference on Industrial Systems and Energy Technologies (JOSITE)	2. Sem	8	Organized by the IIT on June 2026.	IIT

<sup>1</sup> International Doctoral School (EID)

<sup>2</sup> The Institute for Research in Technology (IIT)