

# Concrete Life Cycle – From cradle to grave

Mon 14 – Fri 18, October 2024, Doctoral Course, 5 ECTS

## ACI-NDT Certification course

Sat 12 – Sun 13, October 2024

Monterrey, Mexico

**Participant preparations before event:**

**Doctoral course:**

**(2 weeks work)**

- Paper readings
- Personal presentation
- Scientific poster

**ACI certification:**

- 4 hrs on-line session
- 8 hrs practical session
- 1 hr written exam
- 2 hr performance exam

**Lecturers:**

ADH: Alejandro Durán-Herrera  
 DPA: Daman Panesar  
 DFE: Dimitri Feys  
 RDH: Doug Hooton  
 WJW: Jason Weiss  
 KKO: Konstantin Kovler  
 OMJ: Ole Mejlhede Jensen  
 PCB: Pedro Castro Borges

	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday		
8 <sup>00</sup>									
9 <sup>00</sup>	ACI certification ADH Practical sessions	ACI certification ADH Method practice (experimental)	1. Course intro & personal presentat.	6. Lecture OMJ Curing and hydration	9. Lecture WJW Shrinkage and Cracking	13. Lecture RDH Durability	17. Quiz		
10 <sup>00</sup>			Coffee - poster	Coffee - poster	Coffee - poster	Coffee	Coffee		
11 <sup>00</sup>			2. Lecture DFE Fresh properties	7. Lecture KKO Industrial by-products	10. Lecture RDH Standards and specifications	14. Lecture PCB Service life evolution	18. Prep. of student presentations		
12 <sup>00</sup>			Lunch	Lunch	Lunch	Lunch	Lunch		
13 <sup>00</sup>									
14 <sup>00</sup>	ACI certification ADH Practical sessions	ACI certification ADH Examinations	3. Lecture KKO NDT	8. Lecture WJW Property development	11. Lecture DPA Life Cycle Assessment	15. Lecture NN Study tour preparation	19. Student presentations		
15 <sup>00</sup>			Coffee - poster	Coffee - poster	Coffee - poster	Coffee	Coffee		
16 <sup>00</sup>			4A. Tutorial DFE Fresh prop. (experim.)	5A. Tutorial KKO NDT (experim.)	4B. Tutorial DFE Fresh prop. (experim.)	5B. Tutorial KKO NDT (experim.)	12. Tutorial DPA Life Cycle Assessment (exercise)	16. Study tour	19. Student presentations
17 <sup>00</sup>							Poster - vote	20. Closure	
18 <sup>00</sup>		Barbecue							
19 <sup>00</sup>			Dinner	Dinner	Dinner	Downtown Dinner			