



**BEDDIAR Karim (PhD, Ing.)**

Email : [kbeddiar@cesi.fr](mailto:kbeddiar@cesi.fr)

Twitter : [@KarimBeddiar](https://twitter.com/KarimBeddiar)

[LinkedIn](#)

Nantes, France

## Head of Research and innovation Author, Chairholder

### Professional/research experience

- 2013- at present **HEAD OF 'RESEARCH AND INNOVATION' - CESI WEST**  
**CHAIRHOLDER "SMART CITY AND CIRCULAIR ECONOMY" CESI ESSOR**
- 2010-2013 **HEAD OF DEPARTMENT 'CONTINUING EDUCATION IN CIVIL ENGINEERING' - CESI PARIS CAMPUS**
- 2003-2010 **Programme leader – PEDAGOGICAL MANAGER - CESI PARIS CAMPUS**
- 2001-2003 **LECTURER** at ENS Cachan ([www.ens-cachan.fr](http://www.ens-cachan.fr)) **AND RESEARCHER** at CEA (French Atomic Energy Agency) ([www.cea.fr](http://www.cea.fr)).
- 1997- 2001 **RESEARCHER** at LCPC (The French Civil Engineering Research Laboratory) ([www.ifsttar.fr](http://www.ifsttar.fr)).

### EDUCATIONAL QUALIFICATIONS

- 1997-2001 **MSc, PhD** in Civil engineering, École Nationale des Ponts ParisTech. ([www.enpc.fr](http://www.enpc.fr)), Paris.
- 1993-1997 **DUT** in Civil engineering, IUT Nancy-Brabois, Nancy, France

### Additional trainings:

- Innovative teaching methods (2014)
- Leadership and team management (2012),
- E-learning Designer (2012)
- International partnerships in higher education (2011)
- Project Management Institute Certification : PMI - PMP® (2010)

### Distinctions

- Member of the Scientific board on prestigious French academic and industrial institutions: NovBuild, S2E2, Campus Hors-site, Institut Français du Lean
- A Jury member of the « Engineering of the future Price” organised by Syntec-Ingénierie (the French engineering professional federation) (since 2012)
- « Professeur invité » at Northumbria university (MSc Project Management, UK) (since 2007)
- External examiner, Abertay university (UK) since 2015
- Member of the EiCesi scientific committee (since 2004)
- Ponts ParisTech “Best thesis” in soil mechanics (in 2001).

## Scientific and technical publications

- 7 scientific books at Dunod edition : <http://www.dunod.com/auteur/karim-beddiar>).
- 1 PhD thesis “electro-osmosis in soils”
- 1 international patent (<http://www.wipo.int/pctdb/en/wo.jsp?wo=2003042688>).
- 16 papers in national and international journals.
- 19 articles in national and international conference proceedings.
- 22 articles in national and international conference (without proceedings).
- 16 invitations to international conferences
- 16 technical notes
- 2 scientific platforms (designed)

## Teaching

- **Sciences:** Mathematics, thermodynamics, Heat transfers, Material mechanical behavior (for MSc) – Eurocode 2 (for Bachelor, MSc)
- **Techniques of construction:** Soil mechanics, reinforced concrete (formulation and durability), building site management (for Bachelor, MSc), Quality and safety.
- **Sustainable city:** renewable energies, environmental standards ad certifications (HQE®), Ecodistricts and city of tomorrow (for MSc and post-MSc).
- **Management:** Project management (PMI® vision), team management (for MSc).
- **Other:** research methodology, initiation to research, research in construction