Ahmed LOUKILI

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Current position

Associate Professor of Civil Engineering

Education

- Bachelor of Civil Engineering - University Of Bordeaux 1, 1991
- Master of Civil Engineering – Ecole Centrale de Nantes, 1992
- Doctorate Degree (PhD) Ecole Centrale de Nantes, November 1996
  Thesis: « Delayed deformation of Delayed Deformations of the Ultra high-Performance Concrete ».

Research interests

Mix design and behaviour of a new cementitious materials at early age, Durability of concrete, Durability mechanics of concrete structures (experimental)

Career

Associate professor at Ecole Centrale de Nantes (1997 -)
Post doc at Ecole Centrale de Nantes (1996 – 1997)

Professional activities

RILEM Senior Member
Regular Member of TC 195-DTD: Recommendation for test methods for autogenous deformation and thermal dilation of early age concrete
Member of the American Concrete Institute (ACI)
Reviewer of the Journal of the American Concrete Institute.
Member of the scientific council at at Ecole Centrale de Nantes (2002 -)

Summary of journal publications

Journal	**Impact factor**	**Number of papers**
Cement and concrete Reaserch	0,64	6
Materials and structures	0,225	3
ASCE Journal of Materials in Civil Engineering	0,719	1
ACI structural journal	0,614	1
Other papers in refereed journals		3

Selected publications (max. 5)

Predicting Ca(OH)2 content and chemical shrinkage of hydrating cement pastes using analytical approach, P. MOUNANGA, A. KHELIDJ, A. LOUKILI, V. BAROGHEL-BOUNY. Cement and Concrete Research, Volume 34, N° 2, pp. 255-265, 2004.

Can the maturity concept be used for separating autogenous shrinkage and thermal deformation of a cement paste at early age? PH. TURCRY, A. LOUKILI, L. BARCELO, J.M. CASABONNE, Cement And Concrete Research, vol 32, n°9, pp 1443-1450, 2002

Behavior of High Strength Fiber-Reinforced Concrete beams under cyclic loading, L. DANIEL, A. LOUKILI. Structural Journal, American Concrete Institute, Vol 99, may-june 2002, pp. 248-256.

A new approach to determine autogenous shrinkage of mortar at early age considering temperature history, A. LOUKILI, D. CHOPIN, A. KHELIDJ, J-Y. LE TOUZO.Cement and Concrete Research 30 (6) pp. 915-922, 2000.

From Chemical and Microstructural Evolution of Cement Pastes to the Development of Autogenous Deformations, V. BAROGHEL-BOUNY, P. MOUNANGA, A. LOUKILI, A. KHELIDJ. Autogenous Deformation of Concrete, Special Publication of the American Concrete Instistute SP 220, Editors O-M Jensen, D.P. Bentz and P. Lura, pp 1-23, 2004.