

**Département de Génie Civil**  
**Laboratoire LMGCE**  
**Laboratoire LGSDS**



**Seminar at**  
**Ecole Nationale Polytechnique**

**Tuesday, October 1, 2019 at 10 am**  
**Amphitheater 5**

## **Design of Prestressing Concrete Elements Using CFRP Composite Materials**

This talk is about the recent advances in the use of FRP composites for infrastructure both as internal and external reinforcement.

Talk given by



**Prof. Abdeldjelil Belarbi** is Hugh Roy and Lillie Cranz Cullen Professor Distinguished Professor of Civil Engineering at the University of Houston. His primary research contributions focuses on the constitutive modelling, analytical, and experimental investigations of reinforced and prestressed concrete structures. Dr. Belarbi has served as principal investigator or co-investigator on numerous research projects with a research expenditure of over fifteen millions US dollars, has published over 230 technical papers and had supervised over 50 MSCE theses and PhD dissertations. Dr. Belarbi is a Fellow of the American Society of Civil Engineers (ASCE), the American Concrete Institute (ACI) and the Structural Engineering Institute (SEI). He is also very active (member and/or Chair) on several technical and educational and national committees within ACI, ASCE, and TRB. He is also a current member of ACI318E leading to the newly revised ACI318-19 code with contribution to Shear and Torsion code design issues. Dr. Belarbi is the recipient of numerous awards and honors including the 1995 Outstanding Paper Award of the Earthquake Engineering Research Institute (Earthquake Spectra Journal) and the Honorable Mention for Outstanding paper from the Masonry Society. He is also the recipient of the 2011 ACI Joe W. Kelly Award and 2019 ACI nVent LENTON Award for Code Simplification and Improvement.