CV Antonio Caggiano

Date of Birth: 31/05/1982
Domicile: Via S. Sebastiano n°23,
Nationality: Italian,
84030, Caggiano (SA), Italy.

Work Domicile:
Department of Materials and Structures
University of Buenos Aires
Av. Las Heras 2214
C1127AAR
Ciudad Autónoma de Buenos Aires, Argentina

Office: (+54 - 11) 4514-3009 / 4514-3006
Mobile: +541162414876
E-mail1: ancaggiano@unisa.it
E-mail2: acaggiano@fi.uba.ar
Homepage1: http://laboratorios.fi.uba.ar/lmni/
Homepage2: http://www.encore-fp7.unisa.it/partners/pt4
“Google Scholar Citation” http://scholar.google.it/citations?user=hiERgiUAAAAJ&hl=it

Current Positions

Assistant Professor at the Faculty of Engineering, University of Buenos Aires, Argentina.
PhD Student at the Department of Civil Engineering, University of Salerno and at the Department of Exact Sciences and Technology, University of Tucuman, Argentina (Jointly Co-supervised PhD Program).

Education

November 2008 to date: PhD Student

October 2007 - March 2008, period of study at the Faculty of Civil Engineering of Buenos Aires (FiUBA: Facultad de Ingenieria - Universidad de Buenos Aires). Arguments treated regard several elasto-plastic models for failure analyses of concrete and other quasi brittle materials. Supervisor by the Prof. Guillermo Etse.


Academic Experience

University of Salerno, Department of Civil Engineering

Teaching Assistant on “Failure Indicators on Continuum Media” - University of Buenos Aires, Academic Support Program for Post-Graduated Students, July 2012 to date.

Teaching Assistant on “Concrete I & Concrete II” - University of Buenos Aires, Academic Support Program for Students, July 2012 to date.

Teaching Assistant on “Tecnica delle Costruzioni” - University of Salerno, Academic Support Program for Students, November 2008 to June 2012.
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Teaching Assistant on “Strutture Speciali” - University of Salerno, Academic Support Program for Students, March 2010 to June 2012.

Papers and Publications

Int. Journals


In Proceedings


In Journals of disclosure


Seminars

1. **Caggiano A.**, “Análisis Computacional del Comportamiento de Falla de Hormigón Reforzado con Fibras Metálicas”, San Miguel de Tucuman, Argentina, September, 14th, 2011.

Thesis Directed


Investigation Projects


2. Project title: “MULTISCALE NUMERICAL AND EXPERIMENTAL ANALYSIS OF FAILURE BEHAVIOR OF QUASI-BRITTLE MATERIAL” UBACYT 2006-2009 Nr. 1813 (from 01.04.2006 up to date). Financed by the University of Buenos Aires (UBA). Place: Laboratory of Materials and Structures - Faculty of Engineering - UBA. Director: Prof. Dr. Guillermo Etse.


5. Project title: “Fiber reinforced cementitious composite (FRCC): experimental investigation and numerical modeling”. 2011 - 2012. Financed by the Officine Maccaferri SPA. Place: Department of Civil Engineering (DiCiv) - University of Salerno (UniSA) - Italy. Directors: Dr. Marco Cremona (Maccaferri SPA) and Prof. Dr. Enzo Martinelli (UniSA).

6. Project title: “Environmentally-friendly solutions for Concrete with Recycled and natural components (EnCoRe) - http://www.encore-fp7.unisa.it/”. 2012 - 2014. International Research Staff Exchange Scheme. Call: FP7-PEOPLE-2011-IRSES. Financed by the European Commission: CORDIS: FP7. Place: University of Salerno (UniSA - Italy) / University of Minho (UMinho - Portugal) / Politecnico di Milano (PoliMI - Italy) / University of Buenos Aires (UBA - Argentina) / University of Tucuman (UNT - Argentina) / Rio de Janeiro Federal University (UFRJ - Brazil). Directors: Prof. Dr. Enzo Martinelli (Coordinator - UniSA), Prof. Dr. Joaquim A.O. Barros (Local director of UMinho), Prof. Dr. Liberato Ferrara (Local director of PoliMI), Prof. Dr. Guillermo J. Etse (Local director of UNT), Prof. Dr. Raul Husni (Local director of UBA) and Prof. Dr. Romildo D. Toledo Filho (Local director of UFRJ).

Courses

March / June 2009: Course of “Introduction to tensor analysis” - Prof. Sergio Ferro (Faculty of Engineering - Dip. of Mechanical Engineering - University of Buenos Aires) - (50 hours).

March / June 2009: Course of “Introduction to the Finite element Method” - Prof. Marcela Goldschmit, (Faculty of Engineering - Department of Chemical Engineering - University of Buenos Aires) - (50 hours).

April / July 2009: Course of “Failure indicators in Continuous Media and Structures” - Prof. Jose Guillermo Etse (Materials and Structures Laboratory - University of Buenos Aires) - (25 hours).

August / December 2009: Course of “Constitutive theory of cohesive-frictional materials” - Prof. Jose Guillermo Etse (Center Numerical Methods in Engineering / National University of Tucuman) - (50 hours).

March / June 2010: Course of “Special Structures” - Prof. Enzo Martinelli (Faculty of Engineering - University of Salerno) - (60 hours).

March / June 2010: Course of “Solids Mechanics” - Prof. M. Angelillo (Department of Civil Engineering - University of Salerno) - (22 hours).

March 2010: Course of “Logic” - Prof. M. Marcelli (Department of Civil Engineering - University of Salerno) - (15 hours).

August / December 2010: Course of “Continuum Mechanics” - Prof. Jose Guillermo Etse (Center Numerical Methods in Engineering - National University of Tucuman) - (50 hours).


May 2011, 22-27: Course of “Analysis of Creep and Shrinkage Effects in Concrete Structures”, coordinated by Prof. Mario A. Chiorino and Prof. Domingo J. Carreira at CISM (International Centre for Mechanical Sciences) - Udine (Italy).

March-May 2011: Course of English Idiom level PET - (Linguistics University Centre at the University of Salerno) - (100 hours).

October 2011, 2-7: Course of “Mechanics of Masonry Structures”, coordinated by Prof. Maurizio Angelillo at CISM (International Centre for Mechanical Sciences) - Udine (Italy).

Experiences Abroad

From October 2007 to March 2008: Visiting student at the University of Buenos Aires, Department of Constructions and Materials, Buenos Aires, ARGENTINA.

From March 2009 to December 2009: Visiting student (PhD Student) at the Laboratory of Numerical Method in Engineering of the University of Buenos Aires, Department of Constructions and Materials, Buenos Aires, ARGENTINA.

From August 2010 to February 2011: Visiting student (PhD Student) at the Centre for Numerical Methods in Engineering of the National University of Tucuman, Faculty of Exact Science and Engineering, San Miguel de Tucuman, ARGENTINA.

From July 2011 to September 2011: Visiting student (PhD Student) at the Laboratory of Numerical Method in Engineering of the University of Buenos Aires, Department of Constructions and Materials, Buenos Aires, ARGENTINA.

From November 2011 to date: Visiting student (PhD Student) at the Centre for Numerical Methods in Engineering of the National University of Tucuman, Faculty of Exact Science and Engineering, San Miguel de Tucuman, ARGENTINA.
Research Activities

The main research activities are conducted at the Department of Civil Engineering of the University of Salerno, in collaboration with Prof. Dr. Enzo Martinelli and Prof. Dr. Ciro Faella and at the Laboratory of Numerical Methods in Engineering (LMNI) of the University of Buenos Aires (FIUBA) and at the center CEMNCI (Center for Numerical Methods in Engineering) of the National University of Tucuman (UNT), in collaboration with Prof. Guillermo ETSE (UNT) and Prof. Paula Folino (UBA).

The topics of the research activities are listed as follows:

- Theoretical and numerical analyses of structural members made out with fiber reinforced concretes;
- Investigation of concrete structures externally reinforced with FRP sheets and/or plates;
- Theoretical and numerical analysis of concrete with recycled components.
- Multiscale modeling of concrete hydration and heat transfer

Computer skills and competences

- FEM analyses: ABAQUS, DRAC, GiD, KRATOS, Midas/FEA, NOLIAN, SAP2000, SEEP/W, SIGMA/W, SLOPE/W;
- Programs for implementing constitutive models: C, C++, Fortran, Mathematica, MATLAB;
- Programs for designs in Engineering: AUTOCAD, Epanet, FTOOL;
- Programs for writing of scientific documents: Latex, LyX, Word, Excel, PowerPoint;
- Programs for web page designs: Macromedia Dreamweaver.

Idioms

- Mother tongue: Italiano;
- Other languages: English: Understanding->Intermediate, Speaking->Intermediate, Writing->Intermediate;
- Castellano: Understanding->Advanced, Speaking->Advanced, Writing->Advanced.

Scholarship Achieved

- Scholarship for Mobility within the “EnCoRe” Project (FP7-PEOPLE-2011-IRSES n. 295283; www.encore-fp7.unisa.it) funded by the European Union within the Seventh Framework Programme. **Duration:** April 2012 to June 2012.

- Scholarship (Area III - Didattica e Ricerca - Rep. numb. 4798 - Prot. numb. 60407 - UniSA) granted by the University of Salerno to finalize the PhD. **Duration:** November 2011 to April 2012.

- Ministerial Scholarship to realize the PhD study provided by the University of Salerno and by MIUR (Italian Ministry for Education, University and Research). **Duration:** November 2008 to October 2011.

Last updated: November 22, 2012