



# POLITECNICO DI TORINO



EARTHQUAKE ENGINEERING  
RESEARCH INSTITUTE  
STUDENT CHAPTER  
POLITECNICO DI TORINO

## SUPPLEMENTAL DAMPING AND SEISMIC ISOLATION FOR RESILIENT STRUCTURES

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Extreme Events (MCEER), Professor, Department of Civil,  
Structural and Environmental Engineering  
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### Abstract

The main objective of the 25-hours course is to familiarize Structural Engineers with the various innovative systems that have demonstrated considerable potential through analytical studies, experimental testing and actual structural implementation. The discussion will focus on passive energy dissipation systems and base isolation systems. At the end of the course, Structural Engineers should be able to:

- Provide a critical comparison of various systems.
- Model and design various systems with general structural engineering software.
- Recommend optimum systems for particular seismic design or retrofit projects.
- Knowing the basic concepts of Resilience-Based Design (RBD), the methodology and some applications.



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## BIOGRAPHICAL SKETCH



André Filiatrault is the Deputy Director of the Multidisciplinary Center for Earthquake Engineering Research (MCEER) and Professor of Structural Engineering at the State University of New York (SUNY) at Buffalo. He is member of the American Society of Civil Engineers (ASCE), the American Concrete Institute (ACI) etc. Dr. Filiatrault research interests concern Earthquake Engineering, Structural Dynamics, Shake Table Testing of Large Scale Structural Components and Systems. He received the Ph.D. from the University of British Columbia, in 1988. He received several awards for his research including the Moisseff Award (ASCE 2002), the Roberval Prize (France, 1997), etc. He has authored more than 100 journal refereed papers and 139 international conference proceedings, and 4 books. For further information please refer to URL:

<http://www.civil.buffalo.edu/people/interactive-people-search/name:andre-filiatrault/>

<b>DATE: Monday, NOVEMBER 21, 2011</b>	<b>9.00 - 12.00; 14.30 - 17.00</b>
<b>Tuesday, NOVEMBER 22, 2011</b>	<b>14.00 - 16.00</b>
<b>Wednesday, NOVEMBER 23, 2011</b>	<b>10.00 – 11.30; 14.30 - 17.30</b>
<b>Thursday, NOVEMBER 24, 2011</b>	<b>9.00 - 12.00; 14.00-16.00</b>
<b>Friday, NOVEMBER 25, 2011</b>	<b>9.00 – 12.00; 14.00 - 16.00</b>

**LOCATION: AULA ALBENGA, (Second floor of DISTR), Politecnico di Torino**  
Faculty, graduate students, and all others are invited to attend.

Gian Paolo Cimellaro