Philippe Bourdeau  
School of Civil Engineering  
Purdue University

RESEARCH AND SCHOLARSHIP

Professor Bourdeau's research interests, as reflected in his publications, are very broad but they can be divided into three main subject areas: probabilistic modeling, the mechanics of particulate media, and the use of geosynthetics.

PUBLISHED WORK

Books

None

Book Editorships


Book Chapters and Invited Contributions to Books


Articles in Refereed Archival Journals


Notes and Discussions in Refereed Archival Journals


Articles in Refereed Proceedings


Other Proceedings Articles


Proceedings Papers Presented Based on Abstracts Only


2. Bourdeau, P. L., Miskin, K. K. and Fuller, J. M. (1990), Short Communication on "Behavior

**Reports**


10. Bourdeau, P.L., "TRIANIS tricouche isotrope elastique a couche intermediaire anisotrope"


Invited Presentations

1. "Probabilistic Analysis of Reinforced Earth", Geotechnical Engineering Seminar, School of Civil Engineering, Purdue University, West Lafayette, IN, USA, April 23, 1981.


3. "Dimensionnement des geotextiles utilisees comme armatures" (Dimensioning of Geotextiles in Soil Reinforcement), Workshop on Gravel, Compaction Control, and Geotextiles, Association of Swiss Road and Traffic Engineers, Lausanne, October 5, 1983.


13. "Propagation Models in Particulate Media", Geotechnical Engineer Seminar, School of Civil Engineering, Purdue University, West Lafayette, IN, USA, April 6, 1988. This seminar was given as part of interview process for a faculty position.


21. "Soil Reinforcing Techniques", Construction Seminar, School of Construction, Purdue University, November 19, 1990.

23. "Excavation Support Techniques", Construction Seminar, School of Construction, Purdue University, November 18, 1991.


Other Evidence of Excellence in Research


4. Organizer, Seminar on Reliability-Based Design in Civil Engineering, Swiss Federal Institute of Technology, Lausanne, (27 participants), June 1986.

5. Invited Scientist at Polytechnic University of Gdansk, Poland, Institute for Hydrotechnics (Professor E. Dembicki) for one week, September 1986.

6. Invited Scientist at University of Roma "La Sapienza", Italy, Department of Structural and Geotechnical Engineering (Professor G. Calabresi) for one week, March 1987.

7. Secretary, Steering Committee, and Coordinator of the Scientific Advisory Board, Symposium on Reliability-Based Design in Civil Engineering, Swiss Federal Institute of Technology, Lausanne, July 1988.


10. Member of the Organizing Committee of the Engineering Foundation - National Science Foundation Conference on "Digital Image Processing Techniques and Applications in Civil Engineering", held March 1993, Kona, Hawaii.


15. Research Proposal Referee for the NATO Scientific Affairs Division, since 1990.


17. Member of the organizing committee and Proceedings Co-Editor, Second International Conference on "Imaging Technologies: Technique and Civil Engineering Applications", to be held in Davos, Switzerland, May 1997.


22. International Review Board Member for the 7th International Conference on Geosynthetics, Nice, France, September 2002.

23. Scientific Steering Committee Member for the 7th International Conference on Geosynthetics, Nice, France, September 2002.


25. Member, Scientific Advisory Board of GEORISK International Symposium, Bangalore, India, November 2004.