

Road Materials and Pavement Design

an international journal

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Hervé Di Benedetto, Ulf Isacsson, Reynaldo Roque

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Hervé Di Benedetto
Professor

ENTPE
Rue Maurice Audin
69518 Vaulx-en-Velin
France
Tel:+33-4-72047065
Fax:+33-4-72047156

Ulf Isacsson
Professor

Division of Highway
Engineering, KTH
Brinellvägen 34
100 44 Stockholm
Sweden
Tel:+46-8-7908700
Fax:+46-8-4118432

Reynaldo Roque
Professor

Department of Civil Engineering
University of Florida
PO Box 116580
345 Weil Hall
Gainesville, FL 32611 USA
Tel:+1-352 392 7368
Fax:+1-352 392 3394

Subscription to volume 5, Issues 1-4, 2004

RMPD is published quarterly.

Institution : Europe 240 € Non-Europe 272 €

Individual subscription price upon request.

Web site : <http://rmpd.e-revues.com>

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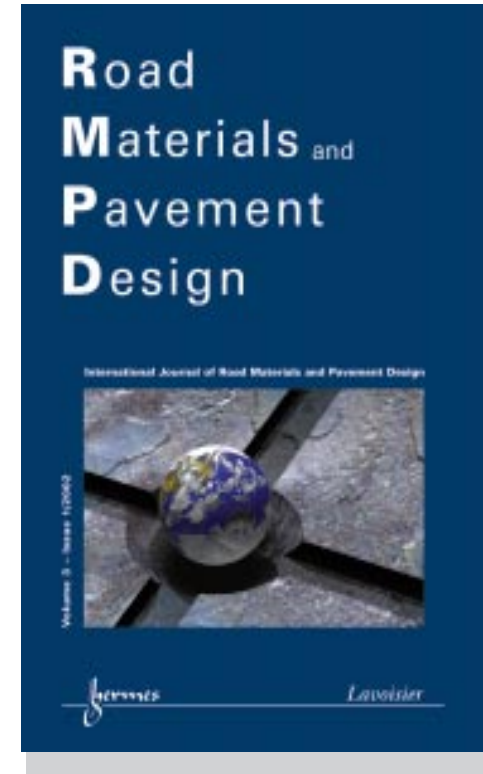
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The Journal welcomes contributions on mechanical, thermal, chemical and/or physical properties of bitumens, additives, bituminous mixes, asphalt concrete, cement concrete, unbound granular materials, soils, geo-composites, new and innovative materials, as well as mix design, soil stabilization, and environmental aspects of handling and re-use of road materials. The Journal also intends to offer a platform for the publication of research of immediate interest regarding design and modeling of pavement behavior and performance, structural evaluation, stress, strain and thermal characterization and/or calculation, vehicle/road interaction, climatic effects and numerical and analytical modeling. The different layers of the road, including the soil, are considered. Four types of papers will be considered for publication in the Journal, namely: State of the Art, Original Scientific Paper, Scientific Note and Discussion paper.

Papers published in volume 4, 2003

- Fatigue behaviour of bituminous materials: from binders to mixes (H. Soenen, C. de La Roche, P. Redelius)
- Linear viscoelastic properties of bituminous binders and mixtures at low and intermediate temperatures (F. Olard, H. Di Benedetto, B. Eckmann, J.-P. Triquigneaux)
- Inelasticity of asphalt concrete under repeated compression (I. Blechman, M. Livneh)
- Predication of pavement fatigue life with simulated temperature profile from hourly surface temperatures (Å. Hermansson, J. Elsander)
- Full-scale laboratory evaluation of moisture effect on resilient moduli of granular pavement subgrade layers (W.V. Ping, Z. Yang, R.K.H. Ho)
- Comparison of the performance of shale oil-modified and polymer-modified asphalts in Grand Teton National Park (K.P. Thomas, P.M. Harnsberger, R.E. Robertson)
- Performance based characterisation of crumb rubber asphalt modified using the wet process (H.A. Khalid, I. Artamendi)

Areas

Properties, analysis and performance of road and airfield materials, layers and pavement structures.

Thermal, Mechanical, Physical, Chemical, Environmental and climatic aspects of Pavement Systems.

Stress, strain and temperature response of the pavement system to traffic loading and environment effects.

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All papers presented in the Journal will be peer reviewed by at least three recognized members of the international scientific community. To insure the highest possible degree of objectivity and impartiality Peer Review in the Journal is performed without the names of the authors being submitted to the reviewers. Whenever possible the Editors in Chief will select reviewers from different countries.

Awards

Papers published in the Journal will be considered annually by the Editors for an Award. The purpose of the award is to recognize outstanding contributions to the fields covered by the Journal. The amount of the awards may vary annually.

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