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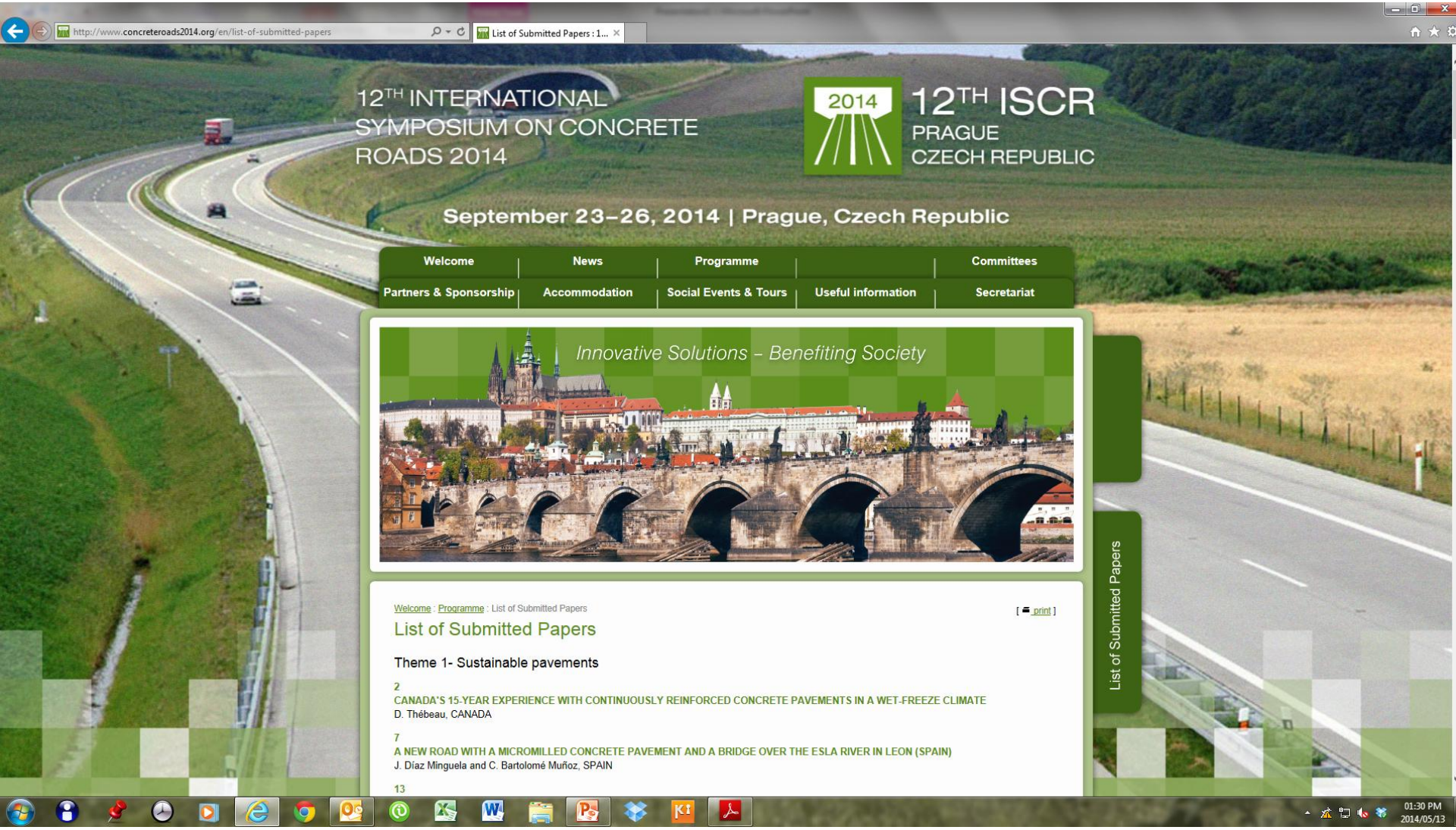

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Theme 1 – Sustainable Pavements

Economic aspects (initial and life cycle cost)
Surface characteristics (skid resistance, smoothness, noise)
Environmental assessment (LCA, low impact pavements, climate change)
Energy efficiency (fuel, lighting, cooling)
Recycling
Water management (permeable pavements, drainage)
Social aspects (safety, accessibility, availability)
PPP projects

Theme 2 – Solutions for Urban Areas

Public spaces
Architectural aspects (aesthetics, comfort, functionality)
Public transport infrastructure (bus, tram)
Pedestrian and cycling paths
Roundabouts

Theme 3 – Design and Construction

Design for different applications (roundabouts, rural roads, ...)

New developments (materials, equipment, concepts)

Standards and normalisation

Tunnel pavements

Concrete pavements on bridges

Special applications (airports, industrial pavements, slab track solutions)

Soil stabilisation

Precast elements

Quality control

Long life pavements

Theme 4 – Maintenance and Rehabilitation

Rehabilitation methods

Rapid repair methods

Concrete recycling

In situ recycling

Surface restoration

Monitoring, diagnostics and test methods

New developments in maintenance and rehabilitation

TU Delft

Delft University of Technology

8th International DUT-Workshop on Research and Innovations for Design of Sustainable and Durable Concrete Pavements

20 – 21 September, 2014 in Prague, Czech Republic

Call for Abstracts

Secretariat:
mrs. J. Barnhoorn, Delft University of Technology, Faculty Civil Engineering and Geosciences, P.O. Box 5048, 2600 GA Delft, the Netherlands, tel. + 31 15 2785066, fax + 31 15 2783443, email a.p.m.barnhoorn@tudelft.nl

http://www.citg.tudelft.nl/... /road-and-railway-engineering

I. Materials
- Early age behaviour of concrete (curing, saw cutting window, opening for
heavy traffic)
- Mechanical characterisation of concrete (fatigue strength, thermal behaviour)
- Innovative concrete mixes, such as fibre-reinforced and high-strength
Concrete

II. Advanced analysis, design and evaluation of concrete pavements
- Effects of thermal gradients, moisture gradients and dynamic loadings on
internal stresses and strains
- Optimization of slab dimensions
- Probabilistic design or risk analysis
- Innovative monitoring and evaluation techniques

III. Continuously reinforced concrete pavements
- Design theories for concrete slab and reinforcement
- Early age cracking behaviour
- Long term performance and evaluation (modelling, crack pattern)

IV. Innovative concrete pavement structures and surfaces
- Roller compacted concrete pavements
- Thin concrete inlays or overlays, ultra-thin white topping
- Two-lift concrete pavements
- Concrete pavements for heavy loads, public transport and bridges
- Precast (modular) concrete pavements (design, performance)
- Silent concrete pavements (porous concrete, exposed aggregate surface)

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