



prof.dr.ir.ing **André G. Dorée**

Chair of **market- and organization dynamics in construction industry**

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Education: BSc Civil Engineering (Saxion univ. 1985); BSc Industrial Engineering & Management (univ. Twente 1986); MSc Industrial Engineering & Management (univ Twente 1988); PhD on *Procurement of Dutch municipalities* from neo-institutional economics perspective (univ Twente 1996); appointed as professor in 2000.

Research: Research pivots around competition (markets) and cooperation (organisations) in construction industry. Preferred perspectives (theory): neo-institutional economics, evolutionary economics and industrial organization and entrepreneurship. Preferred focus (field): public clients and civil works contractors (roads, bridges, canals etc). Current research focuses on procurement methods in construction industry, especially the impact of public sector procurement and project delivery methods on market dynamics, industry structure, innovation in construction industry and industry reform. Current special interests/projects:

- § Public procurement & technology dynamics in asphalt construction industry (PhD);
- § Systems integrators as drivers for innovation and construction industry reform (PhD);
- § Public sector procurement policies of local governments (PhD);
- § (past) Performance information procurement systems (PhD);
- § New business paradigms, professionalism & SMART technologies in asphalt road construction (PhD);
- § Development of VR multi player serious gaming set up for asphalt road construction (in preparation);
- § Regional Knowledge & Innovation Clusters in Construction Industry (several projects): focus on systems engineering, SMART Technologies, GPS/GIS pervasive systems and location based services.

Teaching Activities: Primarily for Master Course Construction Engineering & Management;

- § Module BI8; Markets, organizations & Innovation in Construction industry;
- § Module CEM 1: academic skills & research methodology;
- § Supervising theses Ba (4/yr); MSc (10/yr); 6-8 PhD candidates (4 internal);
- § Moderator and Course manager of the Master course on Management of Complex Projects; A program for the Dutch Ministry of Traffic, Transportation and Water management;
- § Lectures on procurement systems and industry reform in several in courses on Nijerode, de Baak and TSM business school

Professional Activities & Memberships:

- Scientific board of PSiBouw research program & the core cluster team "solutions" in PSiBouw;
- Advisory board of the institute for Construction Law;
- Initiating committee for the knowledge center on "innovative entrepreneurship in construction industry";
- Co-initiator of Construction Chapter of the Regional Innovation Platform;
- Member advisory board construction industry reform provinces Overijssel, Gelderland, Flevoland;
- International (past and ongoing): ARCOM, CIB W92 "Procurement Systems", CIB W89 "Post construction Liability & Insurance"; CIB TG15 "Construction Conflict & Dispute Resolution Techniques".



SELECTION RECENT PUBLICATIONS

- Caerteling JS, JIM Halman & AG Dorée** (2008) Technology Commercialization in road infrastructure: how government affects the variation and appropriability of technology, *Journal of Product Innovation Management*, vol 25 p.141-161.
- Boes J. & AG Dorée** (2007) "the use integrated contracts by local authorities in the Netherlands: a case study"; proceedings CIB world conference 14-18 may 2007; Capetown South Africa.
- Caerteling JS, JIM Halman & AG Dorée** (2007), Determinants in the process of technology development and adoption in the public domain: a multiple case study, *Proceedings of the 6th international post-graduate research conference in the built and human environment*, 6-7 April 2006, Delft, The Netherlands, pp 608-618. ISBN 0 902896962
- Caerteling JS, JIM Halman & AG Dorée** (2007): Technology strategy in road construction: customer orientation or cost focus? *Proceedings ASCE Construction Research Congress*, Grand Bahamas, May 6-8, 2007
- Huerne HL ter & SR Miller & AG Dorée** (2007) "new technologies in the paving process need to be based on common practice and operators' heuristics", 5th International Conference on Maintenance and Rehabilitation of Pavements Mairepave 5;
- Miller SR, HL ter Huerne & AG Dorée** (2007) "the asphalt paving process: plans for action research"; proceedings 4th Nordic Conference in Construction Economics and Organisation on 14-15 June 2007; Luleå
- Miller SR, HL ter Huerne & AG Dorée** (2007) "understanding the asphalt paving process: een action research strategy" CIB 7th post graduate research conference; 26-30 march 2007; Salford (*best presentation award !!*);
- Rutten MEJ, AG Dorée & JIM Halman** (2007) Interorganizational cooperation in construction: the role of systems integrators, *Proceedings of ManuBuild 1st International Conference*, The transformation of the Industry: Open Building manufacturing, 25-26 April 2007, Rotterdam (*got best paper award !!*)
- Caerteling JS, JIM Halman & AG Dorée** (2006) "Determinants in the process of technology development and adoption in the public domain: a multiple case study"; proceedings international Built & Human Environment Research week, Delft April 2006.
- Caerteling JS, JIM Halman & AG Dorée** (2006) Technology commercialization in the public sector: a multiple case study, will appear in: *Proceedings of 13th International Product Development Management Conference*, Milan, Italy, June 11-13, 2006.
- Caerteling JS, JIM Halman & AG Dorée** (2005) "Systems integration in road construction: integration of structural design and construction processes and methods". In: S. Sariyildiz and B. Tunçer (Eds.), *Proceedings of the 3rd international conference on innovation in architecture, engineering and construction* (AEC) Rotterdam, The Netherlands, 15-17th June 2005 (pp. 459-468).
- Pries F & AG Dorée** (2005) "A century of innovation in the Dutch construction industry" *Construction Management & Economics* issn 0144-6193; vol 23 no 6 p561-4.
- Pries F, AG Dorée, B v/d Veen & R Vrijhoef** (2004) "The leaders' paradigm in construction industry change" *Construction Management & Economics* issn 0144-6193; vol 22 no 1 p 7-10.
- Dorée AG** (2004) "collusion in the Dutch construction industry; an industrial organization perspective"; *Building Research & Information*; issn 0961-3218; vol 32 no 2 p 146-156.
- Dorée AG & E Holmen** (2004)"achieving the unlikely: innovation in the loosely coupled construction industry"; *Construction Management & Economics*; issn 0961-3218; vol 32 no 22 p 827-838
- Dorée AG, JS Caerteling & EKHS Holmen** (2003) "co-opetitive relationships in construction – competing and co-operating with the same counterpart", *proceedings annual conference of the Association of Researchers in Construction Management*, p817-826; Brighton sept 3-5 2003.