CURRICULUM VITAE

Personal

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Date of Birth:	18-03-1965
Nationality:	Dutch

Professional Experience

2015 – now	Partner in Eralcon, Consultants for Materials and Structures.
2012 – now	Full Professor in the Chair of “Experimental Micromechanics” and director of Microlab at Delft University of Technology, Civil Engineering and Geosciences.
2003 – 2012	Associate Professor (UhD) at Delft University of Technology, Civil Engineering and Geosciences.
1996 - 2007	Senior project-engineer R&D at SGS-INTRON (www.sgs.com/intron) and FEMMASSE (www.femmasse.com).
1993 - 1995	Assistant Professor at Delft University, Faculty of Civil Engineering, Grant from the Royal Dutch Academy of Science (KNAW), (grant received for excellent PhD work).
1993 – 1994	Guest-researcher at the National Institute of Standards and Technology (NIST), Gaithersburg, MD, USA.
1989 – 1993	Researcher at Delft University of Technology, Faculty of Civil Engineering, The Netherlands.
1992	Guest-researcher at the Höchstleistungsrechenzentrum - Kernforschungsanlage (HLRZ-KFA), Jülich, Germany.

Education:

1989 – 1993	PhD student at Delft University of Technology, Faculty of Civil Engineering, The Netherlands; Thesis: “Experimental and Numerical Analysis of Fracture Processes in Concrete”.
1983 - 1989	Master Student at Eindhoven University of Technology, Faculty of Structural Engineering, The Netherlands; Thesis: “Stability of arch frames” (in Dutch).

Publications and Presentations:

More than 300 publication in International journals, books and conferences on various topics on Materials for the Construction industry.

Holder of a patent on healable concrete structures.

Editor of the International journals “Construction and Building Materials” and “Advances in Concrete Constructions”

Keynote speaker in numerous conferences on construction and building materials.

Membership:

Member of Rilem and ACI. Member of Technical Committees in Rilem and ACI on various topics of damage and durability in building materials.

Expertise:

- Fracture mechanics of construction materials
- Durability of materials
- Self-Healing mechanisms in concrete and asphalt.
- Design of experimental techniques for damage evaluation.
- Development of simulation-models for behaviour of multi-layered materials (like multi-layered concrete slab-systems and coating-systems on construction materials).
- Damage assessment of civil engineering structures (like tunnels, water-reservoirs, swimming pools)
- Material design for civil engineering structures (like tunnels, bridges, quay-walls, silos)
- Repair of concrete structures (currently supervising research on (self-healing) repair and coating systems for concrete structures).