



CURRICULUM VITAE

Prof. Dr. Ir. Dr. h. c. Marcel VAN DE VOORDE

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BRISTOL-A
rue du Rhodania, 5,
(CH) - 3963 CRANS – MONTANA
Suisse

Born at SCHELLE (Prov. Antwerp), Belgium
Belgian nationality

University studies

- Engineering in physics
- Chemical engineer
- Degree in nuclear engineering
- PhD in natural engineering sciences
Catholic university Leuven (B)

Academic career

1970 – 1980 Professor - catholic university Leuven (B)
1978 – 1981 Extra-ordinary professor – state university Ghent (B)
1980 - Professor/Emeritus – University of technology Delft (NL)
1990 - Visiting professor at recognized universities:

- Europe: University of La Sapienza Roma (IT)
- US: Columbia school of mines New York
- China: Tsinghua university Beijing

Scientific career

1965 – 1976 CERN (European Organisation for Nuclear Research) – Geneva, CH:
Direction - departments: Applied physics and Medicine Physics
1976 – 1999 Senior scientific adviser to CERN's director general
Detached to the European Commissioner research in Brussels: upon the
request of the Belgian minister for research policy and the European

1976 – 1999	Commissioner for research with agreement of CERN's direction general Direction functions at the European Commission research: EC- Framework programmes, ERASMUS, COST, EUREKA, management of E.C - Joint Research Centre
1999 – 2010	Max Planck Institute Stuttgart (D): distinguished professor – direction: nanoscience and nanotechnology
2010 – 2011	Helmholtz organisation – DESY, Hamburg: Executive scientific adviser to the board of directors: ref. European affairs
2009 -	Executive adviser to the CEO – president IMEC – Leuven: nano-electronics

Science Research Council

- NATO R&D&T Board, Brussels & ESA (European Space Agency) expert panels: Paris (Pioneer in the NATO-programme for peace)
- National research councils: CNR Roma (IT) and Madrid/Barcelona (ES) and US-NSF (National research council) Washington.
- Belgian nuclear research centre , Mol (B)
- International advisory board NIMS, National institute for materials science, Tsukuba (JP)
- European industrial management research association (EIRMA), Brussels (B)

Government and industrial advisory functions

- Belgian ministers for research policy, economy and foreign affairs
- Ministers for policy research and defence in Portugal
- Minister – president of Catalonia: Dr Arturo MAS
- Rector of the KIEL university (D)
- 1999 Honorary member of the Beijing state research committee
- Member of E.C. high level groups: education - research
- *Ad hoc expert for OPECST president: 2010 – 2012*

Honorary awards

- Commander in the Order of the Crown (B) in 1994 & Leopold II Order in 2013
- Doctor honoris causa of the Rousseu university in Bulgaria
- Member of the European academy for sciences and arts, Salzburg, (AT), academy of engineering in Bratislava (Slovakia)
- Honorary professor of the Tsinghua university, China and of the Cracow university (Pl)
- 2008 - Member: "Honoris causa": Chambre Belge des experts juridiques et arbitrages – research council, Brussels (B)
- Gold medal: "Foundation du merite Europeen: president JUNKERS, Luxembourg

Membership in scientific societies – editorial boards

- Fellow of the British materials society
- Fellow of the American ceramics society
- Board member of international recognized journals
- Invited lecturer at international conferences
- Editor of books: recent on nanotechnology: Wiley & Springer publishers

Resume of expertise's

- 35 years' experience in European institutions: universities, research and management
- Great promoter of research and technology and industrial innovation in Western- and Eastern Europe, US and Japan...pioneer of various EC and EU research programmes

Role in OPECST

- Relations with European and international (Research – Technology – Industrial) Institutions
- Research and industrial innovation topics: nanotechnology, materials science, resources, energy, medical physics, nuclear engineering, security and safety & university education...