

CURRICULUM VITAE – Michel R. GODEFROID (12/2020)

Personal Details

Surname : GODEFROID
Forename(s) : Michel René Jean
Title : Dr., Agrégé
Date of Birth : January 7, 1954
Nationality : Belgium
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Current Position : Professeur de l'Université at Université libre de Bruxelles
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Degrees

1977 Université libre de Bruxelles, Master in Chemistry
1980 Université libre de Bruxelles, Ph.D. in Chemistry
1992 Université libre de Bruxelles, Agrégé de l'Enseignement supérieur
in Atomic and Molecular Physics (Habilitation thesis)

Academic and Research Positions

Scientific Career at the National Fund for Scientific Research (Belgium):
Research Assistant (1978-80), Research Associate at Vanderbilt University (U.S.A., 1981), Senior
Research Assistant (1981-82), Research Associate (1982-92), Senior Research Associate (1992-96),
Research Director (1996-2002). Maître de conférences (1982-), Maître d'enseignement (1992-),
Full Professor at U.L.B. (2002-2019)
Professeur ordinaire honoraire at U.L.B. (2019-)
Visiting Professor at Queen's University of Belfast, Northern Ireland, 1998/99.
Invited Professor at Université Paris XI, Paris, France, 1999/2000.
Invited Professor at Vilnius Pedagogical University, Vilnius, Lithuania, 2009.
Invited Professor at Northwest Normal University, Lanzhou, China, 2011.
Honorary Doctor at Malmö University (Malmö, Sweden)

Scientific activities and production

Google Scholar page: <https://scholar.google.com/citations?user=JFgEIT8AAAAJ&hl=en>
My list of publication: https://www2.ulb.ac.be/cpm/theory_publ.html?qsfield=Godefroid
More than 250 communications to scientific meetings. Supervision of 12 PhD theses since 1990.

Regular referee in many international scientific journals in Physics and/or Chemistry.

Elected member of the board of the “Division de Physique Atomique, Moléculaire et Optique” (PAMO) de la Société Française de Physique (SFP).

Elected member of the European Group for Atomic Spectroscopy (EGAS) board.

Member of the Scientific Committees of the 31st EGAS (Marseille, France, 1999), 32nd EGAS (Vilnius, Lithuania, 2000), ECAMP VII (Berlin, Germany, 2001), 34th EGAS (Sofia, Bulgaria, 2002), 35th EGAS (Brussels, Belgium, 2003), ECAMP VIII (Rennes, France, 2004) conferences.

Chair of the organizing committee of the 35th European Group for Atomic Spectroscopy Conference (35th EGAS) Conference, Brussels, Belgium (2003).

Principal Investigator of FRFC (Belgium), ARC (Belgium), NATO, FNRS-CGRI-British Council, CGRI-France, CGRI-Netherlands, CGRI-Poland, WBI-Lithuania research grants.

Member of the Société Royale de Chimie (SRC), Belgian Physical Society (BPS), European Physical Society (EPS)

Member of the International Program Committee of the International Colloquium on Atomic Spectra and Oscillator Strengths: ASOS3 (Amsterdam, The Netherlands, 1989), ASOS8 (Madison, Wisconsin, USA, 2004), ASOS11 (Mons, Belgium, 2013), ASOS12 (Sao Paulo, Brazil, 2016), ASOS13(Shanghai, China, 2019).

Co-author of the MCHF atomic-structure package for large-scale calculations (ATSP2K) (C. Froese Fischer *et al.*, *Computer Physics Communications* **176** (2007) 559) and earlier versions.

Member of the “international collaboration on Computational Atomic Structure (CompAS)” (<http://ddwap.mah.se/tsjoek/compas/index.php>)

Contributor to the international atomic data “MCHF/MCDHF Collection” (C. Froese Fischer *et al.*) - <http://nlte.nist.gov/MCHF/index.html>

Co-author with I. Kleiner of “The BELGian Internal Rotor Program” (see “PROgrams for Rotational SPEctroscopy” - <http://www.ifpan.edu.pl/~kisiel/introt/introt.htm#belgi>)

Current Research Interests

Atomic structure calculations: study of correlation and relativistic effects on energy levels, electron-affinities, allowed and forbidden radiative transition rates, isotope shifts, hyperfine structures, Auger rates, etc. Developments of new algorithms and methodologies in *computational atomic structure*.

Co-PI of the Excellence of Science FNRS & FWO Research Project “Heavy Element Research for Nuclear, Atomic and Astrophysics Studies” (EVEREST), (EOS-O022818F, 2018-2021), coordinated by Pieter Van Duppen (KULeuven, Nuclear spectroscopy). Other Co-PIs: Riccardo Raabe (KULeuven, Nuclear reactions), Stephane Goriely and Sophie Van Eck (ULB, Nuclear Astrophysics)