

Dr. Hervé Wozniak

Date : 2017-01-01

Born in Bayonne (France) on 1964, march 31st ; married, 3 children

Research Interests	Galaxy formation and evolution, chemodynamics, large-scale star formation in galaxies, AGN fuelling High-Performance Computational Astrophysics (N-body, hydrodynamics, chemodynamics, orbits, chaos) Virtual Observatory (Theory in the VO)
Recent responsibilities	President of the “astronomy” division of the National Council for Astronomers and Physicists (CNAP) (2015–2019, ordinary member 2013-2015) Director Observatoire Astronomique de Strasbourg and UMR 7550 Université de Strasbourg – CNRS (2009 –2016) President (2014–2016), Vice-President (2012–2014) and board member (2008–2016) of the French Astronomy and Astrophysics Society (SF2A)
Positions Held	2017–: Astronomer 1 st class, OSU OREME & LUPM, Université de Montpellier 2009–2016: Astronomer 2 nd , then 1st cl., Observatoire astronomique de Strasbourg, Strasbourg 2003–2008: Associate Astronomer, Observatoire de Lyon, France 1996–2003 : Associate Astronomer, Observatoire de Marseille, France 1995–1996: Fellow of French Academy of Sciences, Observatoire de Marseille, France 1993–1995: Research Assistant, Geneva Observatory, Switzerland 1991–1993: Education & Research Attaché, Université de Provence, France
Scientific committees	Steering Committee of EQUIP@MESO Equipex (EQUIPement d’EXcellence) in HPC (2014–2016)
Fellowships & Awards	2013-2016: Scientific Excellence Award PES (Prime d’Excellence Scientifique) 2005-2012: Ministry of Education PEDR (Prime d’Encadrement Doctoral et de Recherche) 2008-2009: International Year of Astronomy label for an outreach project 2007: SF2A grant for an outreach project on numerical simulations 1995: French Academy of Sciences reintegration fellowship 1993: Ministry of Research postdoctoral fellowship
Grants & Funding	2015-2020 : Region-Government Contract (CPER) on Big Data and HPC (AlsaCalcul) 2015 : Exploratory research project (PEPS) funded by IDEX Université de Strasbourg 2008–2010: Cooperation programme ECOS-Sud France-Argentine A07U01 2002–2005: CNRS/INSU Young Researcher ATIP (Action Thématique Innovante sur Programme)
Education	2000: HDR (D. Sc.) in Astrophysics, Université de Provence, France 1991: Ph. D. in Astrophysics and Space Techniques, Université Denis Diderot (Paris 7), France 1986 : Master of Physics, Université Aix-Marseille III, France
Membership	International Astronomical Union (1996–), European Astronomical Society (1994–), French Astronomy and Astrophysics Society (1989–)

- ❑ Friedli D., **Wozniak H.**, Rieke M., Martinet L., Bratschi P., 1996, A&AS 118, 461
"Disc galaxies with multiple triaxial structures: II. JHK surface photometry and numerical simulations"
- ❑ **Wozniak H.**, Friedli D., Martinet L., Martin P., Bratschi P., 1995, A&AS 111, 115
"Disc galaxies with multiple triaxial structures: I. BVRI and H α surface photometry"
- ❑ **Wozniak H.**, Pierce M.J., 1991, A&AS 88, 325
"CCD surface photometry of early-type barred galaxies I. Data reduction and results"
- ❑ Athanassoula E., Morin S., **Wozniak H.**, Puy D., Pierce M.J., Lombard J., Bosma A., 1990, MNRAS 245, 130
"The shape of bars in early-type barred galaxies"

REPORTS and BOOK CHAPTER

- ❑ **Wozniak H.**, « Diffuser modèles et simulations en astrophysique : l'apport de l'Observatoire Virtuel », in « Epistémologie de la modélisation et de la simulation », M. Silberstein & F. Varenne (Eds), Editions Matériologiques, 2013 April 13th.
- ❑ Lemson G., **Wozniak H.** (eds), 2012, Simulation Data Model 1.0 , IVOA Recommendation (<http://www.ivoa.net/Documents/SimDM/20120503/index.html>)
- ❑ Lemson G., **Wozniak H.**, Zuther J. (eds.), 2008, « Framework for the inclusion of theory data and services in the VObs », Euro-VO Data Centre Alliance Theory Expert Group report (http://cds.u-strasbg.fr/twikiDCA/pub/EuroVODCA/Deliverables/EuroVO-DCA_D11_MPG_Final.pdf)

MAIN SCIENTIFIC AND MANAGEMENT RESPONSABILITIES

Current or recent

- ❑ **President** of the Astronomy division of the **Conseil National des Astronomes et Physiciens** (re-elected **2015-2019**, member 2013-2015)
 - National recruitment, promotion, PEDR award, career assessment, etc.
- ❑ **Director** of the **Observatoire Astronomique de Strasbourg** (Université de Strasbourg and CNRS UMR 7550, **2009-2016**), Deputy Director of the Observatory of Lyon (2005–2007)
- ❑ **President (2014–2016)**, Vice-President (2012–2014) and board member (2008–2016) of the French Astronomy and Astrophysics Society (**SF2A**)
- ❑ Scientist in charge of the Equipex Equip@Meso for the University of Strasbourg (2011-2013), member of the Equip@meso Steering Committee (**2014-2016**)
- ❑ Principal investigator of Region-Government project "Big Data & HPC" (Alsacalcul, **2015-2020**) until fall 2016

Past

- ❑ Chair (2008-2012) of the Theory Interest Group of the IVOA (International Virtual Observatory Alliance). Vice-chair from 2006 to 2008.
- ❑ President of the Science Advisory Committee of the University of Strasbourg Supercomputing Centre (2010–2013)
- ❑ Member Science Team MUSE 2nd generation integral-field spectrograph for ESO VLT (2005-2011)
- ❑ Co-investigator ESA Herschel Space Observatory (PACS instrument, 1996-2009)
- ❑ Member HORIZON project (Numerical cosmology project, in charge of Virtual Observatory issues, 2003–2009)
- ❑ Chair Scientific Organizing Committee of Symposium #7 JENAM 2008
- ❑ Member Local Organizing Committee of CRAL Conference Series I (2006); co-editor of the proceedings

EXPERT AND ADVISOR ACTIVITIES

- ❑ **Ministry of Higher Education and Research**
 - International department (2017-)
- ❑ **CNRS/INSU** mid-term plans:
 - 2014: summary group, "astronomy organization" group and workshop co-leader
 - 2003: steering committee, website manager
- ❑ **Funding agencies:**
 - European Union (Marie Curie programme, panel PHY, 2002–2013)
 - ANR (France), DFG (Germany), STFC (United Kingdom), RPF (Chypre)
- ❑ **Evaluation agency:** AERES/HCERES
 - Observatoire de Paris (2009), Institut d'Astrophysique Spatiale (2013), Laboratoire d'Astrophysique de Bordeaux (2014) and Observatoire Aquitain des Sciences de l'Univers (2014), UTINAM (president of the committee, 2015) et OSU THETA (vice-president, 2015)

- ❑ **Referring for professional review** : Astronomy & Astrophysics, Astrophysical Journal, Monthly Notices of the RAS, Journal of GRID Computing, Gordon & Breach
- ❑ **Time allocation committee**: PRACE (2016)
- ❑ Member of the **Theory Expert Group** of the European project Euro-VO Data Center Alliance (2006–2008)
- ❑ **European Science Foundation** 'Forward Look on European Computational Science' (2006)
- ❑ Member of Scientific Advisory Committees of 3 CNRS/INSU Programs: « Numerical simulation in Astrophysics » (**ASSNA**, 2004–2006) and « Virtual Observatories » (**OV-France**, 2004–2010), National Programme on Galaxies (**PNG**, 2005–2008).
- ❑ Member of Scientific Research National Committee (CoNRS), Astronomy and Astrophysics Division (2000-2004)

TEACHING & OUTREACH

- ❑ University of Strasbourg (2009–2016): Exobiology (L1), Astrophysics (M1)
- ❑ University of Lyon (2003–2008): Astrophysics (L2, TICE, high schools)
- ❑ University of Provence (1996–2002): Galactic Dynamics (DEA=M2)
- ❑ University of Provence (1992–1994): Astrophysics, Quantum mechanics, Numerical analysis, Computer science (DEUG SSM = L1 and L2, Licence of Applied Mathematics = L3)

- ❑ Advisor/supervisor of PhD Students : Léo MICHEL-DANSAC (2000-2003), Olivier HERNANDEZ (2001–2004 with C.Carignan, Univ. Montréal and P. Amram, LAM), Nicolas CHAMPAVERT (2004–2007), Nicolas GAUDIN (2009-2012), Jonathan CHARDIN (2010–2013), Benjamin LAEVENS (2012–2015, Excellence Grant)

- ❑ 3 press releases (ESO 14/08/2001, INSU 5/4/2007, INSU 11/2/2015)
- ❑ Public conferences: André Malraux Library Strasbourg, Kids University, Observatory Open/Patrimonial Days, Planetarium St Etienne & Strasbourg, Museum Lyon, Rallye des Mathématiques, etc.
- ❑ TV and Broadcast interviews: RCF (2008), France 3 Alsace (2009, 2011, 2013), Alsatic-TV (2009), Ciel & Espace (2014)
- ❑ Several projects of movies about numerical simulations of astrophysical objects (all scales), funded by SF2A and labelled 'International Year of Astronomy' (2007–2009)
- ❑ Contribution to the « *Guide de l'astronomie en Alsace* », 2009, edited by the Jardin des Sciences de l'Université de Strasbourg
- ❑ Scientific advisor of the movie « *GALAKTOS une tournée dans la voie lactée* », 2008, produced by Astronef (planetarium of Saint-Etienne)
- ❑ Movies of hydro/N-body simulations of galaxies for a CD-ROM published for the tercentenary of the Observatoire de Marseille (2002), for the planetarium of Saint-Etienne (2006)

ECONOMIC VALORISATION OUT OF ACADEMIC ENVIRONMENT

- ❑ Promotion of supercomputing among SMEs of the Alsace Region, in collaboration with the CCI Alsace (http://utv.unistra.fr/video.php?id_video=159)
- ❑ Expert for ALSACALCUL-Services for supercomputing in SMEs