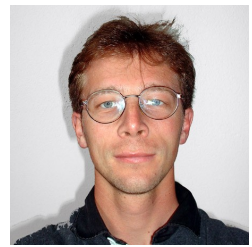


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French, 36 years old, Live together, 2 children.



RESEARCHER in ASTRONOMICAL INSTRUMENTATION

Work & Experience

- 2007-2008** **Postdoctoral Researcher, Adaptive Optics Lab., University of Victoria, BC, Canada :**
Development of a Laser-Guide-Star Wavefront sensing test-bed for the Thirty-Meter-Telescope project (TMT).
- 2004-2006** **Postdoctoral Researcher, Collège de France, Haute-Provence Observatory, France :**
PI of the VIDA proposal in the EII/ESO context for the 2nd generation VLTI instrumentation. Science cases definition and performance analysis for hypertelescopes (VIDA, CARLINA). Development and validation of the CARLINA prototype hypertelescope. Concept analysis of a “hypertelescope camera” instrument for the ESO OWL ELT project.
- 2002-2004** **Postdoctoral Researcher, Arcetri Observatory, Florence, Italy :**
*European RTN contract “Adaptive Optics for Extremely Large Telescopes (ELTs)”:
Performance analysis of ELTs for exo-earth detection and characterization.
Secondary and primary adaptive mirrors developments for LBT and ELTs.
High-contrast imaging from Dome C (Antarctica): Performance analysis.*
- 2000-2002** **Postdoctoral Researcher, Collège de France, Haute-Provence Observatory, France :**
*Study and demonstration of the hypertelescope concept.
Biomarkers on exoplanets: Earthshine spectroscopy.
Control of a space interferometer in formation flying with small solar sails (TPF Boeing study).*
- 1996-2000** **PhD Student, Haute-Provence Observatory, France :**
*Robotic telescope control. Active Optics.
Development and validation of the prototype telescope for the OVLA interferometer.
First observation of the dust shells of comet Hale-Bopp.*
- 1994-1995** **Post-Graduate Student, Haute-Provence Observatory, France :**
Development of telescope driving systems.

Qualifications

- 1997-2000** **PhD thesis, University of Provence (Aix-Marseille I), France :**
Supervisor : **Antoine Labeyrie.** Mention : « *Très honorable avec les félicitations du Jury* ».
Title: « *Control of robotic telescopes and large ground-based and space stellar interferometers: the case-study of the OVLA telescope with active optics and a spherical mount.* »
- 1994-1995** **DEA in Instrumentation and Automatics, University of Caen, France.**
- 1992-1995** **École Nationale Supérieure d'Ingénieurs (ENSI) - Caen, France :**
Opto and micro-electronics Engineer.
- 1990-1992** **Lycée du Parc - Lyon, France : Math Sup and Math Spé.**

Skills & Interests

Research interests : *Extrasolar planets, comets, high resolution imaging and instrumentation.*
Publications : *11 papers published in refereed journals, 45 papers published in conference proceedings.*
Computing : *Simulation, system control and data processing in C++, Matlab/Simulink, IDL and assembler (microcontrollers).*
Languages : *French (mother tongue), English, Italian.*
Amateur astronomer : *mirror and telescope making, visual and CCD observations, solar eclipses.*
Hobbies: *mountaineering, biking, back-country skiing, sea kayaking, travels, photography.*