

# Curriculum Vitae – Benoit Neichel

Born the 1th of August, 1981 – French citizen – Married – 2 children

## Scientific interests

---

**Instrumentation:** Adaptive Optics, Wave-front sensing, tomography, Laser Guide Stars

**Data processing:** NIR data specialist, distortion corrections, PSF reconstruction, deconvolution

**Astrophysics:** Young stellar clusters, morphology and dynamic of distant galaxies, astrometry

## Professional experience

---

**2015-present:** Chargé de Recherche (CRCN) CNRS at Laboratoire d'Astrophysique de Marseille  
Habilitation à Diriger des Recherches (HDR) – October 2020

**2013-2015:** PI of the WASABI ANR (<http://goo.gl/qsIENB>) at LAM

**2009-2013:** Instrument Scientist at the Gemini South Observatory (Chile)

**2005-2008:** PhD shared between Observatoire de Paris (GEPI) and ONERA.

**2002-2005:** Engineering student at INSA Toulouse

## Main Projects Appointments

---

**2016-2025:** Deputy-PI for [HARMONI](#)

**2019-2025:** Co-I for [MAVIS](#)

**2020-2024:** PI of ANR project [APPLY](#)

**2013-2017:** PI of ANR project [WASABI](#)

**2019-2022:** Co-I of ANR project [WOLF](#)

**2017-2020:** Principal coordinator of the [OPTICON-H2020](#) WP1

## Publications

---

- 70 publications in refereed journals
- 200 publications in international conferences

## Councils and expertise groups

**2019-present:** Coordinator of the [ESO ELT AO performance Working Group](#) (25 members).

**2019-present:** Member of the Adaptive Optics Working Group (AOWG) of the Gemini Observatory.

**2016-present:** Member of [ASHRA](#) (Action Specific pour la Haute Résolution Angulaire)

**2015-present:** Member of [FOCUS](#) (Labex on innovative detector developments).

**2015-present:** Referee for NSF, ANR and ERC programs

## Teaching

**2020-Présent:** Ecole Centrale Marseille – 3<sup>rd</sup> year – Wave-Front Control

**2020:** Chair of “[ASTRO-HRA](#)” school (40 students)

**2021-Présent:** [AO European School](#) – Calibrations in Adaptive Optics

## Conferences & Workshops

**2023:** Chair for AO4ELT7 (350 attendees). **2013-Present :** SOC pour AO4ELT

**2018-Présent:** SOC for SPIE - Adaptive Optics conference

## PhD and post-doc supervision

**9 PhD supervision and 6 PhD direction since 2016 (3 on-going)**

**13 post-docs supervision since 2016**

**Referee for 12 PhD defenses**