

# Henry Joy McCracken

## Professional address:

Institut d'Astrophysique de Paris  
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## Residential address:

On request  
  
France

## Nationality

French, Irish

## Date of Birth

27/03/1970

## Education

Université Pierre et Marie Curie  
October 2011  
**Thèse de habilitation:** "On the distribution of mass and light in the Universe"

University of Durham  
Durham, England  
July 1995 – December 1998  
**Degree:** PhD., Physics; Supervisors: Drs. T. Shanks and R. Fong  
**Thesis Title:** "Galaxy Evolution in the William Herschel Deep Field"

University of Victoria  
Victoria, B.C., Canada  
August 1992 – March 1995  
**Degree:** MSc., Physics; Supervisor: Dr. C. J. Pritchett  
**Thesis Title:** "Properties of Close Pairs of Galaxies"

University of Manchester Institute of Science and Technology  
Manchester, England  
September 1988– June 1991  
**Degree:** BSc. (hons), Physics, 2:1

## Employment

<b>Astronome</b>	Institut d'Astrophysique de Paris Paris, France	September 2014-present
<b>Astronome adjoint</b>	Institut d'Astrophysique de Paris Paris, France	October 2003-September 2014
<b>Postdoctoral scholar</b>	Osservatorio Astronomico di Bologna Bologna, Italy	October 2001– October 2003
<b>Postdoctoral scholar</b>	LAM, Marseille Marseille, France	January 1999–October 2001
<b>Research scholar</b>	New Mexico Tech Scorro, N. M., USA	September–December 1991
<b>Research scholar</b>	ETH, Zurich Switzerland	July – September 1990

## **Publications**

272 refereed publications (August 2017); nine first author; total citations ~ 24,000; *H*-index ~ 83.

## **Research responsibilities**

Since November 2011, I lead ground data processing for the visible camera on the Euclid space mission (“OU-VIS”); I am in charge of the reduction of near-infrared data at the TERAPIX centre.

## **Teaching, supervision, outreach**

- Lecturer and tutor M2, ED127 “Traitement et analyse de données de l’OHP, M2 Astronomie et Astrophysique” (with H. Dole, K. Benabed, M. Dennefeld), October 2007–, 60hr;
- Lecturer and tutor M2, ED127 “Methods Numerique” (with K. Benabed, D. Leborgne) October 2012–, 25hr;
- Lecturer and tutor at observing schools: IUCCA, Pune (February 2007); ESO, Munich (September 2008); IPMU, Tehran (November 2008); Calar Alto, Spain (June 2010); Xinlong China (October 2011); Sofia, Bulgaria (2014).
- Thesis direction: C. Laigle (with C. Pichon): 2013-2016; M. Wolk (with S. Colombi): 2010–2013;
- Tutor for the post-master M2 module, Paris (December 2008, 2009);
- PhD examiner: Nicolas Bavouzet, Gurvan Bazin, (2008), Anand Raichoor (2010); Rapporteur: Julien Zoubian (2012), Johan Comparat (2013); Nikos Nikolodakis (2013); HDR thesis E. Daddi (2012).
- Stagiare supervision: M1/M2 (2007, 2008, 2017);

## **Recent invited talks, seminars, conferences**

- Invited talk, Irish Astronomical Association (March 2017);
- Invited talk, Physics department, University of Oxford (May 2016);
- Invited talk, IMPU, Tokyo, Japan (April 2016);
- Invited talk, CEFCA, Teruel, Spain (December 2015);
- Invited webinar, LINEA, Brazil (June 2015);

## **Grants**

PI of “DIM-ACAV” for TERAPIX/UltraVISTA (40keur, September 2016) ; PI of PNCG proposals (2016, 2015, 2014, 2013, 2012); with J.P. Kneib and E. Daddi, holder of ANR grant “DESIR” (2008-2011).

## **Commissions, reviews**

- Member of the Time Allocation Committee for the Canda–France–Hawaii telescope (2017–)
- Reviewer for Monthly notices, Astronomy and Astrophysics and the Astrophysical Journal.
- Nasa WFIRST science teams proposal reviewer (2015)
- Member, “ Commission de specialistes”, Marseille (2008-2010). Member, “Conseil de l’Observatoire Institut d’Astrophysique de Paris” (2008–2010). Member , “Conseil Scientifique de l’IAP (2010–)”; Elected member of the “Conseil Laboratoire de l’IAP” (2014–)
- Member of “Science steering group” for VIPERS and COSMOS projects and Spitzer Source List Review panel (SSC, Pasadena, March 2009); IAU member.
- Reviewer for Monthly notices, Astronomy and Astrophysics and the Astrophysical Journal

## **Language skills**

Fluent in English (native speaker), French and Italian.