

Prof. Itziar Aretxaga
Researcher/Investigadora Titular C
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PERSONAL INFORMATION

Citizenship: Mexican/Spanish
Gender: Female
Birthplace: Bilbao, Spain, 20th November, 1965

EDUCATION

PhD	Physics	Univ. Autónoma de Madrid (UAM), Spain	1993
MSc	Physics	Univ. Autónoma de Madrid (UAM), Spain	1990
BSc	Physics	Univ. Complutense de Madrid (UCM), Spain	1988

PROFESIONAL AFFILIATIONS

1993: Spanish Astronomy Society / Sociedad Española de Astronomía (SEA)
European Astronomical Society (EAS)
2000: National Researchers' System / Sistema Nacional de Investigadores (currently SNI
III = Full Professor), Consejo Nacional de Ciencia y Tecnología (Conacyt), Mexico
2003: Mexican Academy of Sciences / Academia Mexicana de Ciencias (AMC)
2006: International Astronomical Union (IAU)
2016: Mexican Physics Society / Sociedad Mexicana de Física (SMF)
2023: The World Academy of Sciences (TWAS)

RESEARCH INTERESTS. Astrophysics and Cosmology: galaxy formation and evolution,
active galactic nuclei, starbursts, supernovae

POSITIONS AND APPOINTMENTS

2018-: *Director* of the International School for Young Astronomers, IAU.
2016-2018: Deputy Director of the International School for Young Astronomers, IAU.
2015-2018: Treasurer and Member of the *Directing Board*, Southeastern Region AMC.
2011-2016: *Head of the Department* of Astrophysics, INAOE, Mexico.
2006-2013: *Coordinator*, Astronomy Section, AMC, Mexico.
1998-: *Researcher* (current level Full Professor), INAOE, Mexico, tenured since 2004.
1996-1998: *Marie Curie Fellow*, Max-Planck Institut für Astrophysik, Germany.
1993-1996: *Marie Curie & Basque Gov. Research Fellow*, Royal Greenwich Obs., UK.
1992-1993: *Teaching Assistant*, Theoretical Physics Dept., Univ. Autónoma de Madrid,
Spain.

SELECTION OF RESEARCH ACTIVITIES

- *148 refereed papers* in international journals, 15 invited review papers and 58 contributed papers in conference proceedings, 3 chapters of books, 7 books/reports.
- *> 7900 citations* (NASA's Astrophysics Data System), with a Hirsch index $H=51$.
- *60 review/invited talks* in conferences, 62 colloquia in research centers.
- SOC member of 30+ conferences (Argentina, China, Colombia, France, Egypt, Ethiopia, Italy, Mexico, Spain, South Africa, S. Korea, USA)
- *10 funded research projects as principal investigator*, >20 as co-investigator.
- *Project scientist of TolTEC* (bolometer camera for 50m LMT), co-investigator of the following science teams: AzTEC (1.1mm camera, 50m LMT), CanariCam (IR camera, 10m-GTC), Cosmology Legacy Survey (SCUBA2), H-ATLAS (Herschel).

SELECTION OF TEACHING ACTIVITIES

- 16 invited lecture courses in IAU schools or other university PhD programs (Argentina, China, Colombia, Costa Rica, Egypt, Ethiopia, Iran, Mexico, Spain, USA, Venezuela).
- Lecturer of 26 MSc/PhD courses at INAOE (since 1998) and 5 BSc courses as assisting professor at UAM-Spain (1989-1993), as member of staff.
- (Co-)/supervisor of 7 PhD, 7 MSc, 2 BSc theses and 16 BSc research projects
- Director of 8 IAU International Schools for Young Astronomers (Inc. INAOE, 2005).

SELECTION OF OUTREACH ACTIVITIES

- Co-author (compiler, editor and translator) of the book "The Large Millimeter Telescope: Neighbors Explore the Cosmos" (in English & Spanish)
- 23 science-popularization papers in printed media (in Spanish & Basque).
- 70 science-popularization talks (in Spanish & Basque), + social media outreach posts

SELECTION OF COMMITTEE WORK

- *Coordinator/coauthor* of Conacyt-PILA plan "Nature of the Universe" (2014-2018) and of the National Science Development Plan for Mexico 2018-2024, UNAM (2018).
- *(Co-)author of* reports on the state of astronomy research in Mexico (Academia Mexicana de Ciencias, Colegio Nacional, Mexico 2008, 2010, 2013), and of research-project evaluation in Mexico (FCCyT 2014).
- *Researchers hiring/assessment*: SNI (Mexico, 2014, 2018-2021, chair 2020), Hubble Fellows (USA, 2014), Ramón y Cajal Fellows (Spain, 2013), universities/institutes in Mexico, USA.
- *Member, CONACYT committees* for funding of basic science (Mexico, 2009, 2010).
- Frequent *referee/evaluator* of peer-reviewed research journals (MNRAS, ApJ, A&A), MSc/PhD theses (Mexico, USA, Spain), science funding agencies (Argentina, Canada, Europe, The Netherlands, Mexico, Spain), and TACs (Germany, Spain, UK).
- *Time Allocation Committees* (TACs): JWST (2023), ALMA (2019), HST (1999, 2004-2006, 2011, 2017, 2018), Canary Island telescopes (2005), 10-m Gran Telescopio Canarias (cochair 2008-2013), OAGH-INAOE (chair 2005-2006).