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# Dimitrios Gouliermis

## Curriculum Vitae

March 22, 2010

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## 1 Personal Information

<b>Christian and Family Name:</b>	Dimitrios Gouliermis
<b>Titles:</b>	BSc, MSc, PhD
<b>Date &amp; Place of Birth:</b>	February 5, 1971, Corfu, Greece
<b>Nationality:</b>	Hellenic (Greek)
<b>Family Status:</b>	Married with twin infants
<b>Present Position:</b>	Senior Research Associate Max Planck Institute for Astronomy
<b>Address:</b>	Max-Planck-Institut für Astronomie Königstuhl 17, 69117 Heidelberg, Germany
<b>Telephone / Mobile:</b>	+49-6221-528401 / +49-176-83246911
<b>e-mail:</b>	dgoulier@mpia.de
<b>Web Home Page:</b>	<a href="http://www.mpia.de/homes/dgoulier">http://www.mpia.de/homes/dgoulier</a>
<b>Research Project Web Page:</b>	<a href="http://www.mpia.de/MCS_MPIA">http://www.mpia.de/MCS_MPIA</a>

## 2 Studies

### 09/1988 – 03/1994: Diploma in Physics

Faculty of Physics, University of Athens, Greece

### 09/1995 – 09/1998: Master’s Degree in Physics

Faculty of Physics, University of Athens, Greece

### 09/1994 – 09/2000: Doctorate’s Degree in Astrophysics

Department of Astrophysics, Astronomy & Mechanics,  
University of Athens, Greece

**PhD Thesis:** “*Systems of Star Clusters in the Local Group Galaxies*”

**Distinction:** Summa Cum Laude

### 3 Previous Occupation

**07/1995 – 12/1999: Research Internship**

Institute of Astronomy & Astrophysics, National Observatory of Athens  
Faculty of Physics, University of Athens

**01/2000 – 12/2000: Doctoral Research Fellow**

Sternwarte der Universität Bonn, Germany

**03/2001 – 10/2002: Petty Officer 1st Class**

**(Electronic Radar Technician-Operator / Secretary)**

Mandatory Service for the draft in the Hellenic Navy

**12/2002 – 03/2003: Postdoctoral Research Fellow**

Sternwarte der Universität Bonn, Germany

**05/2003 – 04/2006: MPG Research Fellow**

Max Planck Institute for Astronomy

**05/2006 – 02/2011: Research Associate**

Max Planck Institute for Astronomy

### 4 Awards

**01/2000 - 12/2000:** Fellowship from the Bonn-Bochum Graduiertenkolleg “*The Magellanic System, Galaxy Interaction, and the Evolution of Dwarf Galaxies*”.

**05/2003 - 04/2006:** Fellowship by the Max-Planck Society.

**05/2006 - 08/2009:** Research Grant awarded by the *German Research Foundation (DFG)*.

**09/2009 - 02/2011:** Research Grant awarded by the *German Aerospace Center (DLR)*.

### 5 Scientific Research

#### 5.1 Research Interests

- Resolved Stellar Populations
- Stellar Associations and Star-Forming Regions

- Clustered Star Formation
- The Initial Mass Function
- Dynamical Evolution of Star Clusters / Stellar Mass Segregation

## 5.2 Observing Programs / Collaborations

- **Participation as Principal Investigator**

- ***Star Formation in the LMC – The complete IMF of a Stellar Association***

**Program ID:** GO-10566

**Telescope / Instrument:** *Hubble Space Telescope / ACS/WFC*

**PI:** D. Gouliermis

- ***NIR Spectroscopic Verification of Herbig Ae/Be stars in the Large Magellanic Cloud***

**Program ID:** 078.D-0200

**Telescope / Instrument:** *ESO Very Large Telescope / SINFONI*

**PI:** D. Gouliermis

- ***Studying Triggered Star Formation in the Small Magellanic Cloud***

**Program ID:** C1737

**Telescope:** *Australia Telescope Compact Array*

**PI:** D. Gouliermis

- ***Near-Infrared Characterization of Pre-main Sequence Stars in the Large Magellanic Cloud***

**Program ID:** 080.D-0217

**Telescope / Instrument:** *ESO Very Large Telescope / NACO*

**PI:** D. Gouliermis

- ***Characterizing pre-main sequence populations in stellar associations of the LMC***

**Program ID:** GO-11547

**Telescope / Instrument:** *Hubble Space Telescope / WFPC2*

**PI:** D. Gouliermis

- **Participation as Co-Investigator**

- ***Low-Mass Stars, Brown Dwarfs, and Young Stellar Objects***  
**Telescope:** Panoramic Survey Telescope And Rapid Response System (Pan-STARRS)  
**PIs:** E. A. Magnier & W. Brandner
- ***A comprehensive study of the low-mass stellar population in the Galactic starburst region NGC 3603***  
**Telescope / Instrument:** Hubble Space Telescope / WFPC2  
**PI:** W. Brandner
- ***Lobstar: Lucifer OBServations of STARbursts***  
**Telescope / Instrument:** Large Binocular Telescope / Lucifer 1  
**PI:** A. Bik
- ***The intermediate to low-mass content of the red supergiant clusters***  
**Telescope / Instrument:** Calar Alto 3.5-m / Omega-2000  
**PI:** B. Rochau
- ***The inner Galaxy as a stellar nursery: a near infrared study of young massive star cluster candidates***  
**Telescope / Instrument:** ESO New Technology Telescope / SOFI  
**PI:** M. Gennaro
- ***Star Formation in Nearby Galaxies***  
**Telescope / Instrument:** Hubble Space Telescope / WFC3  
**PI:** R. W. OConnell

### 5.3 Funding Programs

- ***The Initial Mass Function in Star-forming Regions in the Magellanic Clouds***  
**Program ID:** GO 1659/1-1, GO 1659/1-2  
**Funding Organization:** Deutsche Forschungsgemeinschaft (DFG)  
**Amount:** 158,875 €
- ***The complete IMF of a Stellar Association***  
**Program ID:** 50 OR 0401  
**Funding Organization:** Deutsche Zentrum für Luft- und Raumfahrt (DLR)  
**Amount:** 75,638 €
- ***Comprehensive Characterization with HST of Stellar Populations in Star-Forming Regions of the Large Magellanic Cloud***

**Program ID:** 50 OR 0908

**Funding Organization:** *Deutsches Zentrum für Luft- und Raumfahrt (DLR)*

**Amount:** 98,910 €

- ***Characterizing pre-main sequence populations in stellar associations of the LMC***

**Program ID:** HST-GO-11547

**Funding Organization:** *National Aeronautics and Space Administration (NASA)*

**Amount:** 134,446 \$

## 6 Educational Activities

- ***Lecturer / Supervisor in Physics Laboratories*** - University of Athens
  - Undergraduate Physics Laboratory
    - Physics I: Mechanics, Kinematics
    - Physics II: Statistics, Thermodynamics
  - Postgraduate Astrophysics Laboratory
    - Extragalactic Astronomy
- ***Instructor on Computer Applications*** - Technical College INTERGRAPHICS, Athens, Greece
  - Lectures: Internet Applications
  - Laboratory: Web Sites Design
- ***Adviser of Diploma and Doctoral Dissertations*** - Universities of Heidelberg and Würzburg
  - Mr. Mario Gennaro, “*The IMF in star-forming regions of the Milky Way*”  
 Doctoral Thesis, Faculty of Physics and Astronomy, University of Heidelberg  
 September 2008 - August 2011
  - Mr. Nicola Da Rio, “*Recent Star Formation in the Magellanic Clouds: Pre-Main Sequence stars and their IMF in low-metallicity Environments*”  
 Doctoral Thesis, Faculty of Physics and Astronomy, University of Heidelberg  
 October 2007 - September 2010
  - Mr. Boyke Rochau, “*The Intermediate-age cluster BS 90 in the Small Magellanic Cloud*”  
 Diploma Dissertation, Faculty of Physics and Astronomy, University of Heidelberg  
 April 2006 - March 2007.

- Mrs. Eva Hennekemper, “*The Star-Forming region NGC 346 in the Small Magellanic Cloud*”  
Diploma Dissertation, Faculty of Physics and Astronomy, University of Heidelberg  
September 2006 - August 2007
- Mr. Markus Schmalzl, “*The Star-Forming region NGC 602 in the Small Magellanic Cloud*”  
Diploma Dissertation, Faculty of Physics, University of Wurtzburg  
November 2006 - October 2007
- Mr. Joachim Bestenlehner, “*A Near-IR View of the Star-Forming region NGC 346/N 66 in the Small Magellanic Cloud with VLT/ISAAC Observations*”  
Diploma Dissertation, Faculty of Physics and Astronomy, University of Heidelberg  
November 2007 - October 2008.

## **7 Professional and Administrative Activities**

### **7.1 Membership to Scientific Societies**

- Hellenic Astronomical Society
- European Astronomical Society
- International Astronomical Union

### **7.2 Scientific Committee Assignments**

- *GALEX*, GI Program Cycle 3 Peer Review.
- *Calar Alto Astronomical Observatory*, Regular member of the Time Allocating Committee.

### **7.3 Invited Seminars / Colloquia**

- *Universitäts-Sternwarte München*, July 14, 2010
- *Abt. Sternwarte, Argelander-Institut für Astronomie, Universität Bonn*, September 25, 2009
- *Institut für Theoretische Astrophysik, University of Heidelberg*, April 8, 2009
- *ESA, European Space Research and Technology Centre (ESTEC)*, April 10, 2008
- *Department of Physics and Astronomy, University of Sheffield*, February 6, 2008

- *Department of Astrophysics, Astronomy & Mechanics, Univ. of Athens*, December 18, 2007
- *Max-Planck-Institut für Radioastronomie, Bonn*, November 23, 2007
- *University Observatory Munich*, June 2, 2007
- *Astrophysical Institute Potsdam*, September 21, 2005

#### **7.4 Participation to Scientific Meetings**

(Only International Meetings during the last five years)

- *International Conference “IMF@50: The Initial Mass Function 50 years later”*, Abbazia di Spineto, Siena, Italy, May 16 - 20, 2004.
- *IAU Symposium No 227, “Massive Star Birth: A Crossroads of Astrophysics”*, Acireale, Italy, May 16 - 20, 2005.
- *IAU Symposium No 232, “The Scientific Requirements for Extremely Large Telescopes”*, Cape Town, South Africa, November 14 - 18, 2005.
- *STScI May Symposium, “Massive Stars: From Pop III and GRBs to the Milky Way”*, STScI, Baltimore, U.S.A., May 08 - 11, 2006.
- *IAU XXVI<sup>th</sup> General Assembly 2006*, Prague, Czech Republic, August 14 - 22, 2006.
- *41<sup>st</sup> ESLAB Symposium: The Impact of HST on European Astronomy*, ESTEC, Noordwijk, May 29 - June 1, 2007.
- *ESO Workshop: 12 Questions on Star and Massive Star Cluster Formation*, Garching, Germany, July 3 - 6, 2007.
- *IAU Symposium No 246, “Dynamical Evolution of Dense Stellar Systems”*, Capri, Italy, September 5 - 9, 2007.
- *International Conference “Massive Star Formation: Observations Confront Theory”*, Heidelberg, Germany, September 10 - 14, 2007.
- *IAU Symposium No 255, “Low-Metallicity Star Formation: From the First Stars to Dwarf Galaxies”*, Rapallo, Italy, 16 - 20 June 2008.

- *IAU Symposium No 256*, “The Magellanic System: Stars, Gas, and Galaxies”, Keele University, England, 28 June - 1 August 2008.
- *International Conference “Cosmic Dust - Near and Far”*, Heidelberg, Germany, September 8 - 12, 2008.
- *International Workshop “Star-Forming Dwarf Galaxies: Following Ariadnes Thread in the Cosmic Labyrinth”*, Crete, Greece, September 29 - October 3, 2008.

## 7.5 Press Releases

1. “*Large and small stars in harmonious coexistence*”,  
*Hubble Space Telescope Photo Release*, 14 August 2006  
<http://www.spacetelescope.org/news/html/heic0607.html>  
<http://hubble.esa.int/science-e/www/object/index.cfm?fobjectid=39805>
2. “*Celestial Season’s Greetings From Hubble*”,  
*Hubble Heritage Release*, 19 December 2006  
<http://heritage.stsci.edu/2006/55/index.html>  
<http://hubblesite.org/newscenter/archive/releases/2006/55/>
3. “*Splashy portrait paints picture of how stars form*”,  
*ESA News*, 8 October 2008  
[http://www.esa.int/esaCP/SEMLKL4N0MF\\_index\\_0.html](http://www.esa.int/esaCP/SEMLKL4N0MF_index_0.html)
4. “*Born from the Wind - Unique Multi-wavelength Portrait of Star Birth*”,  
*ESO Photo Release*, 8 October 2008  
<http://www.eso.org/public/outreach/press-rel/pr-2008/pr-34-08.html>
5. “*Splashy Portrait Helps Explain How Stars Form*”,  
*JPL News Release*, 8 October 2008  
<http://www.jpl.nasa.gov/news/news.cfm?release=2008-188>  
*NASA/Spitzer Release*, 8 October 2008  
[http://www.nasa.gov/mission\\_pages/spitzer/news/spitzer-20081008.html](http://www.nasa.gov/mission_pages/spitzer/news/spitzer-20081008.html)

## **8 Additional Information**

### **8.1 Languages**

- Greek (Mother Language)
- English (Fluent)
- German (Sound Basic Knowledge)
- French (Weak Knowledge)

### **8.2 Computational Experience**

#### **Operational Systems**

1. Microsoft Windows (XP, Vista, 7)
2. Apple Macintosh (MacOS X)
3. Unix (Linux, SunOS)

#### **Programming Languages**

1. Fortran 77, 90
2. Turbo Pascal 4.5
3. HTML: HyperText Markup Language
4. Unix Shell Scripting Language
5. IDL: Interactive Data Language (ITT Visual Information Solutions)

#### **Systems for Data Reduction and Signal Processing**

1. Image Reduction and Analysis Facility – IRAF (NOAO)
2. ESO-MIDAS (European Southern Observatories)
3. Interactive Data Language – IDL (ITT Visual Information Solutions)

#### **Logistics, Design & Networking Applications**

1. Microsoft Office (Word, Excel, Access, Frontpage, Powerpoint)
2. Adobe Creative Suite (Acrobat, Photoshop, Illustrator)

3. L<sup>A</sup>T<sub>E</sub>X

4. Web Browsing and Mail Applications / Secure Shell (ssh, sftp), etc

### 8.3 Other Previous Occupational Activities

- *Demonstrator / Guide* to the Public  
Visitor Centre of the Observatory of *Penteli*, Athens, Greece  
([http://www.astro.noa.gr/VisCentre/vis\\_centre.htm](http://www.astro.noa.gr/VisCentre/vis_centre.htm))
- *Editor Assistant* for the European Astronomical Society's "EAS Newsletter", issues 14 - 18  
(<http://eas.unige.ch/index.jsp>).

### 8.4 Hobbies

- Photography
- Traveling
- Cooking
- Fitness