

# Sarrvesh Seethapuram Sridhar

## Personal Information

Date of birth September 15, 1989  
Place of birth Chennai (India)  
Gender Male  
Citizenship Indian  
Marital status Single

## Education

2013–Present **Graduate student,**  
*Kapteyn Astronomical Institute,*  
University of Groningen, The Netherlands.

2011–2013 **M.Sc. Physics and Astronomy,**  
*Chalmers University of Technology,* Gothenburg, Sweden.

2006–2010 **Bachelor of Engineering in Electronics and Communication,**  
*Panimalar Engineering College, Anna University,* Chennai, India.

## Master's thesis

Title **Modelling the Gravitationally Lensed Quasar PKS 1830-211**

Supervisors Cathy Horellou and Sebastien Muller,  
Chalmers University of Technology,  
Onsala Space Observatory, Onsala, Sweden.

Duration January 2013 - August 2013

## Internships & Projects

Aug 2012 **Collisional Penrose Process Near Rotating Black Holes,**  
*Nicolaus Copernicus Astronomical Center (CAMK),* Warsaw, Poland.

Advisor Marek Abramowicz

Description Probing the maximal energy of the products created through particle collisions close to the event horizon of rotating black holes.

Sep 2012–  
Dec 2012 **Redshift Space Distortion as a Cosmological Probe,**  
*Nicolaus Copernicus Astronomical Center (CAMK),* Warsaw, Poland.

Advisor Michal Chodorowski

Description Constraining the underlying cosmological model based on the redshift space distortions in the galaxy correlation function. As a part of this project, I analyzed data extracted from the dark matter halo catalogues of the Millennium-II Simulation.

## Schools & Workshops Attended

Nov 2014 **Third LOFAR Data Processing School 2014,**  
*ASTRON, The Netherlands.*

Aug 2014 **Scientific Writing for Young Astronomers (SWYA 2014),**  
*Course organized by the journal Astronomy & Astrophysics.*

- Jul 2014 **Workshop on Galaxies and Cosmology**,  
*National Center for Radio Astrophysics (NCRA), Pune, India.*
- May 2014 **14th Synthesis Imaging Workshop**,  
*New Mexico Institute of Mining and Technology, Socorro, New Mexico.*
- Nov 2013 **Chalmers AGN and Galaxy Days 2013**,  
*Onsala Space Observatory, Sweden.*
- Jul 2013 **Galaxy Formation and Evolution in a Cosmological Context**,  
*Summer School at Laboratoire d'Astrophysique de Marseille, France.*
- Jun 2013 **Summer School on "Molecules in Space"**,  
*Onsala Space Observatory, Sweden.*
- May 2013 **Nordic Science With ALMA**,  
Conference at Chalmers University of Technology, Sweden.
- Feb 2013 **Cosmology for All**,  
Conference at Lund Observatory, Sweden.
- Jun 2012 **Nordic Millimetre and Optical/NIR Astronomy Summer School 2012**,  
*Observational Cosmology and the Formation and Evolution of Galaxies*,  
Onsala Space Observatory, Onsala, Sweden.

## Refereed Publications

- 2015 **Diversity in extinction laws of Type Ia supernovae measured between 0.2 and 2  $\mu\text{m}$** ,  
*R. Amanullah, J. Johansson, A. Goobar, R. Ferretti, S. Papadogiannakis, T. Petrushevska, P. J. Brown, Y. Cao, C. Contreras, H. Dahle, N. Elias-Rosa, J. P. U. Fynbo, J. Gorosabel, L. Guaita, L. Hangard, D. A. Howell, E. Y. Hsiao, E. Kankare, M. Kasliwal, G. Leloudas, P. Lundqvist, S. Mattila, P. Nugent, M. M. Phillips, A. Sandberg, V. Stanishev, M. Sullivan, F. Taddia, G. Östlin, S. Asadi, R. Herrero-Illana, J. J. Jensen, K. Karhunen, S. Lazarevi, E. Varenus, P. Santos, **S. Seethapuram Sridhar**, S. H. J. Wallström, J. Wiegert*,  
Accepted for publication in MNRAS, eprint arXiv:1504.02101.

## Conference Presentations & Posters

- June 2015 **Low frequency observations of the Pinwheel galaxy (M101)**,  
*Conference "LOFAR Science 2015", Assen, The Netherlands.*  
Presentation
- Oct 2014 **Magnetic field structures in the Pinwheel galaxy (M101/NGC 5457)**,  
*Conference "Cosmic Magnetic Fields", Krakow, Poland.*  
Presentation

## Teaching Experience

- Apr.–Jun. 2015 **Introduction to Programming and Computational Methods**,  
*Kapteyn Institute, The Netherlands*,  
Teaching assistant for the Bachelor's course.
- 2014/2015 **Statistical signal processing**,  
*Kapteyn Institute, The Netherlands*,  
Teaching assistant for the Master's course.
- Apr.–Jun. 2014 **Physics of Galaxies**,  
*Kapteyn Institute, The Netherlands*,  
Teaching assistant for the Bachelor's course.

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## Grants & Awards

- 2015 **Leids Kerkhoven-Bosscha Fonds (LKBF) travel grant,**  
*Awarded a sum of 800.00 euros to attend the Cosmic Magnetic Fields meeting in Stockholm, Sweden.*
- 2014 **Best Abstract Contest,**  
*One of the three abstracts chosen as part of the Best Abstract Contest at the Cosmic Magnetic Fields conference held in Krakow, Poland.*
- 2014 **Leids Kerkhoven-Bosscha Fonds (LKBF) travel grant,**  
*Awarded a sum of 800.00 euros to attend the 14th Synthesis Imaging Workshop in New Mexico, USA.*

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## Work Experience

- Dec 2010–  
Aug 2011 **Software Engineer,**  
*HCL Technologies India Pvt. Ltd.,  
Chennai, India.*
- Description Design and Development of the Graphical User Interface for Cisco's Kenwood Wireless LAN Controller.
- Sep 2010–  
Nov 2010 **Junior Visual Aid Specialist,**  
*Visual Graphics Computing Services (McKinsey & Company),  
Chennai, India.*
- Description Creating graphical presentations out of the managerial texts provided by clients.

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## Computer skills

- OS Linux, Windows
- Programming C, CUDA C, Python, HTML, Matlab
- Tools AIPS, Miriad, CASA, Gravlens, xs
- Typography L<sup>A</sup>T<sub>E</sub>X

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## Languages

- English **Fluent**
- Tamil **Native**
- Telugu **Fluent**

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## Other interests

- History of Western Philosophy
- Popular Science