

Curriculum vitae of Csaba Kiss

Personal information

Surname / First name KISS, Csaba
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Personal webpage <http://kisag.konkoly.hu/pkisscs>
Date and place of birth July 20, 1973, Budapest, Hungary
Nationality Hungarian
Gender Male
Marital status Married, 2 children (born: February 12, 2003 and January 10, 2007)

Higher education

Date 2002
Qualification awarded PhD (summa cum laude)
Principal subjects Supervisor: L.V. Tóth & M. Marik
Title: Multispectral studies of the cold component of the interstellar medium
Organization Eötvös Loránd University, Faculty of Sciences, Budapest
Date 1996
Qualification awarded MSc, physics and astronomy
Principal subjects Supervisor: A. Horváth Jr.
Title: Interstellar shock-cloud collisions: new methods for cooling
Organization Eötvös Loránd University, Faculty of Sciences, Budapest

Employment history

Dates September 1, 2004 onwards
Position held research associate; coordinator of the Herschel related activities at Konkoly Observatory
Main activities¹ (technical)

- Instrument level testing and calibration of the Photodetector Array Camera and Spectrometer (PACS) of the Herschel Space Observatory
- Testing and validation of the frequency switching AOT mode of the PACS instrument
- Development and scientific coordination of the Herschel Confusion Noise Estimator

Employer Konkoly Observatory, Konkoly Thege 15-17, H-1121, Budapest, Hungary
Dates September 1, 2003 -- August 31, 2004

¹ Science activities and projects are summarized in a separate document

Position held	research associate
Main activities (technical)	Post-mission calibration of the ISOPHOT instrument: <ul style="list-style-type: none"> ➤ absolute surface brightness photometry of ISOPHOT (correction for bypassing skylight, derivation of new experimental beam profiles, etc.) ➤ re-calibration of the internal Fine Calibration Sources
Employer	ISOPHOT Data Centre, Max-Planck-Institut für Astronomie, Königstuhl 17, D-69117, Heidelberg, Germany
Dates	September 1, 2000 -- August 31, 2003
Position held	research assistant
Main activities (technical)	Post-mission calibration of the ISOPHOT instrument: <ul style="list-style-type: none"> ➤ evaluation of compact source photometry of various type of objects and observing modes and ingestion of catalogues to the ISO Archive
Employer	Konkoly Observatory, Konkoly Thege 15-17, H-1121, Budapest, Hungary
Dates	March 1, 2000 -- August 31, 2000
Position held	research assistant
Main activities (technical)	<ul style="list-style-type: none"> ➤ scientific validation of various observing modes of ISO/ISOPHOT ➤ refinement of ISOPHOT point source photometry
Employer	ISOPHOT Data Centre, Max-Planck-Institut für Astronomie, Königstuhl 17, D-69117, Heidelberg, Germany
Dates	November 1, 1999 -- January 31, 2000
Position held	sales trainee
Employer	IBM Hungary, Neumann János 1, Infopark, H-1117 Budapest
Dates	September 1, 1996 -- October 31, 1999
Position held	PhD student
Employer	Eötvös Loránd University, Department of Astronomy, Pázmány Péter sétány 1/A, H-1117 Budapest, Hungary
Personal skills and competences	
Languages	Hungarian (native), English (fluent), French (basic)
Radio astronomy	Experience in the observation and data reduction of radio and submm data of various radio telescopes (e.g. Onsala-20m, Effelsberg-100m, IRAM/MAMBO)
Space IR astronomy	Experience in: <ul style="list-style-type: none"> ➤ data reduction and analysis of NIR to FIR data: IRAS, ISO, Spitzer, etc.

Ground-based optical and NIR astronomy	<ul style="list-style-type: none"> ➤ calibration of FIR photometers and spectrometers: ISO/ISOPHOT and Herschel/PACS <p>Experience in observation, data reduction and analysis of CCD data of various ground based telescopes (e.g. Konkoly Obs. 60/90 Schmidt, Konkoly Obs. 1mRCC, Isaac Newton Telescope, William Herschel Telescope, 3.5m telescope at Calar Alto).</p>
Short visits	
Dates	September, 1998 – December, 1998
Institution	Max-Planck-Institut für Astronomy, Heidelberg
Topic	Development of artificial resistivity for MHD codes (M.-M. MacLow & A. Burkert)
Recently accepted observing proposals	
<ul style="list-style-type: none"> ➤ Isaac Newton Telescope/WFC (La Palma): A comparative study of extinction and infrared emission in dark clouds (PI, 2006) ➤ IRAM/MAMBO-II: Class 0 and Class 1 candidates in LDN 1188 (PI, 2003) ➤ Onsala-20m: The LDN 1188 dark cloud complex: observing the YSO's environment (Col, 2004) ➤ Spitzer GO proposal: The Origin of Warm Debris Disks Around Solar Analogues (Col, 2007) ➤ Spitzer GO proposal: Investigation of the Vega phenomenon among F-type stars of known infrared excess (Col, 2005) ➤ Spitzer GO proposal: Study of an ISO-based sample of Vega stars: towards a better understanding of the evolutionary sequence (Col, 2004) ➤ Spitzer GO proposal: Far Infrared Study of SN Ia host galaxies (Col, 2004) 	
Supervision of students	
MSc thesis supervisor	Vera Könyves; Eötvös Loránd University, Faculty of Sciences, Budapest; thesis title: Infrared bubbles and the „Swiss cheese” structure of the Galaxy; 2001-2002
PhD thesis supervisor	Vera Könyves; Eötvös Loránd University, Faculty of Sciences, Budapest; thesis title: The connection of triggered star formation with the large-scale structure of the interstellar medium; 2002-2007
Teaching experience	
Eötvös Loránd University, Budapest	<ul style="list-style-type: none"> ➤ “Introduction to astronomy”; for undergraduate students of 1st...4th semester (1996...2003, repeatedly) ➤ “Interstellar medium and star formation” for undergraduate students of 7th...10th semester (1999...2003, repeatedly) ➤ “The physics of interstellar dust”; for graduate students (2006-2007)

Community service

Referee	Monthly Notices of the RAS & Astronomische Nachrichten (repeatedly)
Organizer	Infrared Space Missions and their Legacy to the Virtual Observatory, May 2006, Budapest, Hungary
Organizer	The Interaction of Stars with their Environment II, May 2002, Budapest, Hungary; editor of the conference proceedings
LOC	The Interaction of Stars with their Environment I, May 1996, Visegrád, Hungary