

CURRICULUM VITAE

PERSONAL :

Name : Kiriaki M. Xiluri - Lauria

Date and Place of Birth : 20 March 1964, Heraklion, Crete, Greece.

Nationality : Greek

EDUCATIONAL :

Ph.D (Astronomy) Aristoteleian University, Thessaloniki, Greece 1991
Thesis Topic: “Pulsar Polarization at High-Frequencies:
Theory and Observations”

B.Sc. (Physics) Aristoteleian University, Thessaloniki, Greece 1985

Languages spoken:

Greek fluent
English very well
German well
Spanish fair

Professional Societies:

Astronomy Member of the Hellenic Astronomical Society, Greece since 1991
 Member of the American Astronomical Society, USA since 1995
 Member of the Puerto Rican Astronomical Society, P.R. since 1997
 Member of the Union of Radio Science International (URSI) since 1998
 Member of the American Physical Society since 1998

General Fellow of the Alexander von Humboldt Society, Germany since 1993

1 Research and work experience:

Jan. 2000 – present: Research Scientist at the Astronomy Department of the University of Virginia, Charlottesville, VA.

My responsibilities include **Systems Administration** and **Instrumentation Development for the Fan Mt. 40-inch telescope**, as well as **teaching Radioastronomy ASTR 314** and continuing *Pulsar research*.

Projects undertaken include :

- Departmental Computer Support.

The Department presently has 74 Solaris 8, and 5 SGIs, 12 Linux workstations, as well as 24 PCs for the Astronomy Labs and Macs for presentations. Among my daily duties is to ensure availability of computer resources and keep the Departmental computing environment secure. During the summer of 2001 I undertook a serious operating system upgrade with minimal interruption of Departmental functionality. I have also purchased computing power and storage hardware which has more than tripled the capabilities of the system initially available. The Department has 84 regular users while as many as 156 accounts are presently maintained to which I provide computer support. I also maintain the Departmental webpages. Administrative work is also involved with maintaining contracts with hardware support companies, and purchasing equipment.

Currently the Department is going through a migration from Solaris to Linux where I participate in the design of the deployment and testing phase. Since the summer of 2003 I have been collaborating with an undergraduate student who was hired to assist the migration to Linux, and sharing the computing support among two people. Currently, I am focusing on programming a tape autoloader to perform automated backups as my main computing project.

- Teaching Radioastronomy

During the Spring Semester of 2003 my status was adjusted to Lecturer, to teach Radio Astronomy Instrumentation (ASTR 535) together with Richard Bradley (NRAO). The emphasis of my teaching is hands-on experience in building and calibrating a heterodyne receiver for our horn antenna, as well as instrument interfacing using LabView.

In the spring of 2004 I taught ASTR 314, an undergraduate course in Introduction to Radioastronomy, a course I will be teaching again this spring semester. This course included hands-on observations with the Arecibo telescope as well as introduction to IDL for pulsar data reduction. (<http://www.astro.virginia.edu/~kx8u/astr314>).

- Construction of an allsky camera to monitor sky brightness and cloud motion at Fan Mountain Observatory.

During the summer of 2004 I installed and programmed a Linux controlled allsky camera at Fan Mt. Observatory. This is the first automated, remotely operational instrument for this Observatory. (<http://www.astro.virginia.edu/~allsky>).

- Construction of autoguiding system of the 1.3-m Fan Mountain telescope.

The autoguider which provides 0.7arcsec accuracy, has been working since March 2001 providing the capability of 30 min exposures for the first time with this telescope. Plans for finer guiding are underway. (<http://www.astro.virginia.edu/~kx8u/Fan>).

- Pulsar Research.

During 2004 I used Arecibo for two proposals, where I was the PI, to observe pulsar intensity and polarization fluctuations at high frequencies, obtaining for the first time X-band single pulses with that telescope. I have been using Arecibo in timing pulsars in two proposals where I am a co-investigator. A third proposal was to educate young undergraduates into the field of radioastronomy and pulsars.

- Research on Planetary Nebulae with the 40-inch Fan Mt. telescope and archival HST data.

In Collaboration with Noam Soker we have tried to revitalize observations of Planetary Nebulae with the 40-inch Fan Mt. telescope aiming at studying their interaction with the ISM. This has so far produced one publication in 2003.

- Community service.

Occasionally I have been refereeing pulsar related papers while I am currently serving as a telescope proposal referee.

Aug. 1999 – Dec. 1999: Research Associate at the **National Radio Astronomy Observatory**, Center Development Lab., Charlottesville, VA. Projects undertaken include :

- Testing SIS-mixers for the ALMA project
- Automating data taking for SIS-mixers for the ALMA project. Under the supervision of J. Effland, I used Visual Basic to automate power readings in synchronism with a chopper.

Jan. 1995 – Aug. 1999: Research Associate in Radio Astronomy at the **Arecibo Observatory (NAIC)**. Projects undertaken include :

- Pulsar magnetospheric studies.

Pulsar emission processes is my main research field. In particular, the altitude at which radio emission is generated has dominated my research the last 16 years. A recent summary is published in English at the Greek Astronomical Society Journal and can be found in my web site. <http://www.astro.virginia.edu/kx8u>

- Pulsar searches.

During my five years at the Arecibo Observatory, I initiated a consortium of drift scan pulsar observing. Observers and backends from five different Research groups, collaborated, in order to take advantage of the Arecibo down-time. As a result more than 20 pulsars have been published so far from this effort which brought together excellent researchers sharing their instrumentation and knowledge. In an effort to search for pulses from a Gamma-ray burster, I discovered a pulsar that has the highest known circular polarization to date at 21cm and can be used for instrument calibration.

- Pulsar timing.

In November 1997, the Arecibo telescope gained some mobility and the instrumentation was available to initiate pulsar timing that had stopped since 1992. Again, a consortium of pulsar groups was put together, and I undertook the task of observing for all the groups and coordinating the efforts. Soon, thanks to putting together the knowledge and instrumentation of all people in these groups, remote observing was initiated at Arecibo.

- Pulsar instrumentation.

I have assisted in the design of the Arecibo-continuum polarimeter and the AO-wide-bandwidth pulsar spectrometer. I have been acting as the contact person for the existing pulsar instrumentation at AO and also provided documentation for the operation of the machines.

- Pulsar software.

During my stay at Arecibo I was responsible for providing and updating pulsar-research related software for a common pulsar-user account.

- Telescope Commissioning.
During the AO-commissioning phase I have been assisting in the pointing, gain and receiver-focusing of the telescope, as well as exploring the polarization properties of the observing setup.
- Teaching Intensive Astronomy Summer Courses at Cornell University.
During the summer of 1998 and 1999, I taught the Introductory Astronomy Course at Cornell, a daily two hour course that lasts eight weeks, and is aimed at young, new comers to the University.
- Supervise undergraduate research projects under the Arecibo REU program.
During my five years at Arecibo, I supervised three students, during the summer period that I was not at Cornell. The first project was completed as a senior thesis at the the Columbia University in May 1996, while all three projects were presented as poster sessions at various AAS meetings.
- Assist in organizing the REU program at Arecibo in 1998.
I enjoyed assisting JoAnn Eder (NAIC) in organizing and carrying through the 10-week supervision of the NAIC-ARECIBO REU program during the summer of 1998.
- Pulsar Workshop.
Together with C. Salter and J. Cordes we organized a Pulsar Workshop on Oct. 28–29, 1995 at AO where 28 participants presented their ideas about instrumentation desired with the Upgraded Arecibo. A summary of the workshop and the trends in pulsar instrumentation can be found at <http://www.naic.edu/~kiriaki/workshop.html>.

Dec. 1993 – Dec. 1995: Post-Doctoral Fellowship at the Max-Planck Institut for Radioastronomy (**MPIfR**), Bonn, Germany. Scholarship awarded from the **Alexander von Humboldt Stiftung**. Research projects pursued were:

- Emission properties of pulsars at high frequencies.
Observations resulted in four publications, reporting for the first time correlations found in pulsar emission at X-band, as well as unique polarimetric observations of pulsars at frequencies as high as 32 GHz.
- Emission properties of millisecond pulsars.
The resulted four publications were the first attempts to study the magnetospheres of millisecond pulsars.
- Initiating the European Pulsar Network.
I assisted Prof. R. Wielebinski in the initiation of a financial Human Capital and Mobility project which aims to establish a Pan-European-Pulsar-Network. This proposal was granted 500,000 DM and was renewed for 2 further years beyond its initial 2 year lifetime.

Jan. 1993 – Jun. 1993: Max-Planck Institut for Extraterrestrial Physics (**MPE**), Garching, München, in the group of Prof. G. Haerendel. Scholarship from the **German-Greek collaboration Jurlich**. Projects undertaken include :

- Surface photometry of aged Planetary Nebulae.
Resulted in two publications where an extended halo was discovered around the Dumbbell Nebula as well as features via narrow band imaging in 9 nearby PNe.

- Instrumentation development.

I collaborated with ESO and MPE engineers in the optical and mechanical design of the focal reducer as well as the drive system of the 1.3-m telescope on Mount Skinakas (Crete). I also commissioned the TI7879 CCD for this telescope.

Jan. 1989 – Jun. 1989 : Visitor at the University of Vermont (**UV**), Burlington, under the supervision of Prof. Joanna Rankin. This was a result of two previous visits and supported by an **EPSCoR** grant. Projects undertaken include:

- research related to my thesis under the supervision of Prof. J. Rankin (resulted in two publications).
- conduct pulsar observations with the Arecibo telescope

Feb. 1987 – May 1987 : **MPIfR**, under **ERASMUS** scholarship on subjects related to my thesis, under the supervision of Prof. W. Sieber.

Sep. 1988 – Feb. 1995 : Research Scientist at the University of Crete (**UC**), and Foundation for Research and Technology (HELLAS).

Sep. 1986 – Sep. 1988 : Research associate at the UC. Projects undertaken include:

- Under the supervision of Prof. J. Papamastorakis I acquired experience working with optical telescopes and contributed to the installation, maintenance and operation of the 30-cm Schmidt Cassegrain and the 1.3-m telescopes of Mount Skinakas and the accompanying CCD cameras.
- At the same time I was working on my Ph.D. thesis under the supervision of Prof. J. H. Seiradakis at the University of Thessaloniki.

Feb. 1986 – Jun. 1986 : **MPIfR** in the group of Prof. R. Wielebinski, under scholarship from MPIfR to initiate my thesis under the supervision of Prof. J.H. Seiradakis.

2 Observing Experience:

Skinakas Observatory 1986-1995: As a member of the Astronomy Department of the University of Crete I collaborated with the MPE group in designing, testing and installing optical instrumentation on Mount Skinakas Observatory. Using the 30-cm Schmidt Cassegrain wide field camera and the 1.3-m Ritchey-Cretien-telescope, I performed surface photometry observations of extended objects as well as narrow-band imaging of PNe and SNRs.

Palomar Observatory, 200” telescope: Co-investigator with Profs. Y. Terzian, B. Balick and A. Riera, in observing bipolar PNe with the dual-spectrograph. We detected abnormal abundance variations within bipolar PNe.

Effelsberg Radiotelescope: I have been observing pulsars with the PUB-86, the data acquisition system at Effelsberg, since 1991. In collaboration with the engineers at Effelsberg we have developed a hardware scheme that enables the phase balancing of the IF input lines to a 40 MHz polarimeter for pulsar work.

Arecibo Radiotelescope: I have used the 40-MHz correlator to obtain polarimetric data at various frequencies with the Arecibo Telescope from 1987 to 1991. Between 1995 and 1999, I was involved in the drift scan pulsar surveys done with the 430 MHz line-feed. I have become familiar with the new IF/LO system of the Upgraded telescope, and used it to assist with tests on the 430, L-band and C-band Gregorian receivers as well as for my current research projects.

3 Computer Experience:

Sun Systems Administrator: I have five years experience in maintaining, upgrading, trouble-shooting Solaris 6 and *Solaris 8* Unix systems, installing packages, keeping accounts, maintaining peripherals including raid units, hard drives, tape drives of many sorts, HP and Textronix printers as well as CD and DVD burners. I have been maintaining a variety of tape drives for backup purposes and recently engaged into automating autoloaders for backup purposes. I have been serving as a webmaster for this semester and becoming familiar with PHP and MySQL database management.

Programming Experience: The tools necessary for a systems administrators to survive include *awk*, a variety shells (*tcsh* and *bash*), *sed*, *expect* and *perl*. I have learned these by experience and though I have mastered some more than others I am fairly confident in using and developing scripts for troubleshooting situations.

Instrument interfacing: In spring 2003 as part of the Radio Astronomy Instrumentation class I taught an Introductory course to *LabView* and since then together with a group of students we have developed two spectrometers using NIDAQ boards. I am a beginner at using LabView and I have attended LabView seminars in spring 2000 and spring 2003.

Presentation software : I am very familiar with both installing and developing PC based applications as well as troubleshooting and assisting users in using *Excel*, *MS-Word*, Power-Point, as well as *LaTex*.

Programming : As a scientist, among the languages I have used have been FORTRAN-77 as well as having written a few application programs in C. The operating systems that I am familiar with include UNIX, Linux, and VMS though I have troubleshooted in IRIX as well. I have used extensively FORTRAN-77 in application programming to :

- develop a package that facilitates the polarization-calibration of a receiving set-up. This program, which started as part of my PhD thesis in 1985, has been used since 1990 at Effelsberg in probing the polarization properties of the pulsar receiving set-up. The program was initially developed on a CDC Cyber and modified for VMS operating system. Today, it is running under UNIX and it is routinely used for pulsar data reduction at Effelsberg.
- develop a package that reads the power counters of the 50/100 MHz Arecibo Correlator and does the necessary precession and Gauss-fitting to detect continuum sources in drift-scan data taken with the 430-MHz line feed. The program then determines the pointing offsets of the feed in zenith angle and azimuth as well as the gain of the telescope at this frequency.

- Install and maintain pulsar data reduction packages in Linux at UVa.
- In 1998 developed routines for multifrequency pulsar timing with the Penn State Pulsar Processor and the Arecibo Berkeley Pulsar Processor.
- In 1989 I develop routines that run under packages suitable for astronomical data reduction such as MIDAS, to remove stellar images from undersampled CCD frames and also to perform flat field correction of wide field imaging.

Data reduction packages used : I have used the following packages for the reduction of optical data and also got involved in developing codes for specific applications:

- The NOAO IRAF image processing package.
- The ESO MIDAS image processing package and I have also been involved at the programming level in developing a routine that determines the PSF of undersampled images and removes stellar images from wide-field CCD stellar fields. In addition, a special procedure was developed to account for the inhomogeneities in the illumination often met in wide field CCD imaging.
- The NRAO AIPS image processing package, where some routines were modified to allow for stellar removal of wide field optical data.
- I have basic knowledge of IDL as a user but I have had five years of experience in troubleshooting IDL code helping users.

4 Teaching-related experience :

Lecturer at University of Virginia : During the spring semester of 2003 I have been co-teaching a graduate level course, Radio Astronomy Instrumentation with R. Bradley of NRAO. In my part of the class, we use instrumentation available to us to build a heterodyne receiver that we can use in conjunction with the horn antenna available to us. I introduced to the class LabView and tough instrumentation interfacing. In 2004 I taught an undergraduate course, Introduction to Radioastronomy, which combined both theory and hands-on experiments.

Lecturer at Cornell University : During the Summer of 1998 I was invited at Cornell University to teach the Introductory course in Astronomy as well as the accompanying laboratory exercises. This was a very intense 8-week course which included 32 lectures for two hours every day as well as supervision of 38 students.

Supervisor : I have acted as a supervisor for the following students :

- summer-student Zoe Leinhardt (REU-97) in calculating fluctuation spectra of 20 pulsars at various frequencies.
- summer-student Luis Wilkes-Alicea (REU-96), who is currently at University of Humacao. Our 10-week collaboration resulted in a poster presented at the 184-AAS meeting in Toronto in Jan. 1997 and a subsequent paper is under preparation.

- summer-student Marcel Agueros (REU-95), who is currently doing his MSc thesis at the Mullard Radio-Observatory, Cambridge. Our 10-week collaboration evolved into Marcel's senior project which was successfully defended at the Columbia University in May 1996.
- During 1995 I supervised the diploma thesis of Alexis von Hoensbroech at MPIfR. Alexis successfully defended his thesis in Oct. 1995 and our collaboration resulted into two publications, currently in press, in A&A.

Lectures : I have given the following lectures.

- URSI Meeting, Jan. 4, 1999, Boulder Colorado, *invited talk*
- Penn State University, Sep. 3, 1998, College Town, *invited talk*
- Cornell University, Aug. 24, 1998, Ithaca, *invited talk*
- Lectured on Principles of Radio-telescopes to the AO-REU students of 1997.
- Lectured on Radio pulsars to the AO-REU students of 1995, 1996 and 1997.
- Lectured on Radio pulsars to the Chateauque Course for junior college teachers in Feb. 1996
- University of Vermont, Jan. 24, 1996, Burlington, *invited talk*
- University of Washington, Mar. 28, 1996, Seattle, *invited talk*
- Lectured on Optical Observations and Data reduction with IRAF to the UC-summer students of 1992 and 1993.

Educational Activities : I have participated in organizing

- co-organizer of the REU-97, including the the summer-student selection procedure, lecture series and housing arrangements
- the first Skinakas Summer School in June 1987

5 List of Publications:

Publications accepted: I have used the NASA Astrophysics Data System (ADS) to provide a query of my current publications.

1. Lorimer, D. R.; McLaughlin, M. A.; Arzoumanian, Z.; Xilouris, K. M.; Cordes, J. M.; Lommen, A. N.; Fruchter, A. S.; Chandler, A. M.; Backer, D. C. /it PSR J0609+2130: a disrupted binary pulsar?, 2004, MNRAS, 347L., 21L
2. Bobrowsky, M.; Xilouris, K. M.; Soker, N.; Rood, R. T. /it Planetary Nebulae: Departures from Axisymmetry, 2004, APNW (Conf. Proc.), 17B
3. McLaughlin, M. A.; Lorimer, D. R.; Champion, D. J.; Xilouris, K.; Arzoumanian, Z.; Backer, D. C.; Cordes, J. M.; Fruchter, A. S.; Lommen, A. N. *New Pulsars from Arecibo Drift-Scan Searches*, 2004, IAU-Sydney, (Conf. Proc.), 218, 127
4. McLaughlin, M. A.; Lorimer, D. R.; Arzoumanian, Z.; Backer, D. C.; Cordes, J. M.; Fruchter, A.; Lommen, A. N.; Xilouris, K. *New Pulsars from Arecibo Drift Scan Searches*, 2003, RAPU, (Conf. Proc), 129

5. Martin, J.; Xilouris, K.; Soker, N. *The early interaction of the planetary nebula NGC 40 with the interstellar medium*, 2002, A&A, 391, 689
6. Lorimer, D. R.; McLaughlin, M. A.; Xilouris, K. M.; Backer, D. C.; Cordes, J. M.; Arzoumanian, Z.; Fruchter, A. S.; Lommen, A. *An Arecibo Drift-Scan Search for Rapidly Rotating Radio Pulsars* 2002, AAS, 200, 940
7. Lorimer, Duncan R.; Camilo, Fernando; Xilouris, Kiriaki M. *Arecibo Timing Observations of 17 Pulsars along the Galactic Plane*, 2002 AJ, 123, 1750
8. Lommen, Andrea N.; Zepka, Alex; Backer, Donald C.; McLaughlin, Maura; Cordes, James M.; Arzoumanian, Zaven; Xilouris, Kiriaki *New Pulsars from an Arecibo Drift Scan Search* 2000, ApJ, 545, 1007
9. Lorimer, Duncan R.; Xilouris, Kiriaki M. *PSR J1907+0918: A Young Radio Pulsar near SGR 1900+14 and G42.8+0.6* 2000, ApJ, 545, 385
10. Wolszczan, A.; Hoffman, I. M.; Konacki, M.; Anderson, S. B.; Xilouris, K. M. *A 25.3 Day Periodicity in the Timing of the Pulsar PSR B1257+12: A Planet or a Heliospheric Propagation Effect?* 2000, ApJ, 540, 41
11. Kramer, Michael; Xilouris, Kiriaki M. *Radio Emission Properties of Millisecond Pulsars* 2000 PUAS, (Conf. Proc), 229
12. Xilouris, K.; Lorimer, D. R.; Dowd, A. *Timing of the young pulsar J1907+0918* 2000, PUAS, (Conf. Proc), 81
13. Xilouris, K. M.; Fruchter, A.; Lorimer, D. R.; Eder, J.; Vazquez, A. *Slow pulsars from the STScI/NAIC drift scan search* 2000 PUAS, (Conf. Proc), 21
14. Kramer, Michael; Lange, Christoph; Lorimer, Duncan R.; Backer, Donald C.; Xilouris, Kiriaki M.; Jessner, Axel; Wielebinski, Richard *The Characteristics of Millisecond Pulsar Emission. III. From Low to High Frequencies* 1999, ApJ, 526, 957
15. Kramer, Michael; Xilouris, Kiriaki M.; Camilo, Fernando; Nice, David J.; Backer, Donald C.; Lange, Christoph; Lorimer, Duncan R.; Doroshenko, Oleg; Sallmen, Shauna *Profile Instabilities of the Millisecond Pulsar PSR J1022+1001* 1999, ApJ, 520, 324
16. Gangadhara, R. T.; Xilouris, K. M.; von Hoensbroech, A.; Kramer, M.; Jessner, A.; Wielebinski, R. *Role of time resolution on polarization of pulsar radiation* 1999 A&A, 342, 474
17. Kramer, M.; Doroshenko, O.; Xilouris, K. M. *Prospects of Pulsar Timing at High Frequencies Including Polarization Measurements* 1999, PT-GR (Conf. Proc), 47
18. Xilouris, K.; Lorimer, D. R.; Kouveliotou, C.; Ramachandran, R.; van Paradijs, J.; Goss, M. *Discovery of PSR J1907+0918* 1998, AAS, 193, 4106
19. Xilouris, K.; Kouveliotou, C.; Lorimer, D. R.; Ramachandran, R.; van Paradijs, J. *SGR 1900+14 and PSR J1907+09* 1998, IAUC, 7023, 2
20. Xilouris, Kiriaki M.; Kramer, Michael; Jessner, Axel; von Hoensbroech, Alexis; Lorimer, Duncan; Wielebinski, Richard; Wolszczan, Alexander; Camilo, Fernando *The Characteristics of Millisecond Pulsar Emission. II. Polarimetry* 1998, ApJ, 501, 286

21. Kramer, Michael; Xilouris, Kiriaki M.; Lorimer, Duncan R.; Doroshenko, Oleg; Jessner, Axel; Wielebinski, Richard; Wolszczan, Alexander; Camilo, Fernando *The Characteristics of Millisecond Pulsar Emission. I. Spectra, Pulse Shapes, and the Beaming Fraction* 1998, ApJ, 501, 270
22. Lorimer, D. R.; Jessner, A.; Seiradakis, J. H.; Lyne, A. G.; D'Amico, N.; Athanasopoulos, A.; Xilouris, K. M.; Kramer, M.; Wielebinski, R. *A flexible format for exchanging pulsar data* 1998, A&AS, 128, 541
23. Leinhardt, Z.; Xilouris, K.; Kramer, M. *Pulsar Fluctuation Spectra at High Radio Frequencies* 1997, AAS, 19111107
24. von Hoensbroech, A.; Xilouris, K. M. *Effelsberg multifrequency pulsar polarimetry* 1997, A&AS, 126, 121
25. Castleberg, Paul A.; Xilouris, Kiriaki M. *Arecibo observatory* 1997, IEEEEP, 16, 33
26. von Hoensbroech, A.; Xilouris, K. M. *Does radius-to-frequency mapping persist close to the pulsar surface?* 1997, A&A, 324, 981
27. Kramer, M.; Xilouris, K. M.; Jessner, A.; Lorimer, D. R.; Wielebinski, R.; Lyne, A. G. *Origin of pulsar radio emission. I. High frequency data.* 1997, A&A, 322, 846
28. Kramer, M.; Xilouris, K. M.; Rickett, B. *Unexpected variations in pulsar flux-densities at mm-wavelengths.* 1997, A&A, 321, 513
29. 1997, JENA (Conf. Proc.), 236 Lorimer, D. R.; D'Amico, N.; Lyne, A. G.; Seiradakis, J. H.; Athanasopoulos, A.; Camilo, F.; Jessner, A.; Kramer, M.; Wielebinski, R.; Xilouris, K. M. *The European Pulsar Network Pulse Profile Database*
30. Riera, A.; Balick, B.; Mellema, C.; Xilouris, K.; Terzian, Y. *Abundances variations in PNe: Real or illusory?* 1997, IAUS, 180, 274
31. Wilkes, L.; Xilouris, K.; Kramer, M. *Multifrequency Pulsar single pulse observations* 1996, AAS, 189, 7406
32. Xilouris, K. M.; Papamastorakis, J.; Paleologou, E.; Terzian, Y. *The shaping of aging planetary nebulae.* 1996, A&A, 310, 603
33. 1996, A&A, 309, 481 Xilouris, K. M.; Kramer, M.; Jessner, A.; Wielebinski, R.; Timofeev, M. *Emission properties of pulsars at mm-wavelengths.*
34. Mueller, J.; Rykoski, K. M.; Mendenhall, D. J.; Balick, B.; Riera, A.; Terzian, Y.; Xilouris, K.; Filippenko, A. V.; Leonard, D. C. *Supernova 1996P in NGC 5335* 1996, IAUC, 6357
35. 1996, A&A, 306, 867 Kramer, M.; Xilouris, K. M.; Jessner, A.; Wielebinski, R.; Timofeev, M. *A turn-up in pulsar spectra at mm-wavelengths?*
36. 1996 PPP (Conf. Proc.), 279 Kramer, M.; Xilouris, K. M. *Multi-frequency pulsar studies at high radio frequencies*
37. von Hoensbroech, A.; Xilouris, K. M. *Multi-Frequency Pulsar Polarimetry at High Frequencies* 1996 PPP (Conf. Proc.), 267
38. 1996 PPP (Conf. Proc.), 245 Xilouris, K. M.; Kramer, M. *Monitoring Millisecond Pulsars in Full Polarization*

39. 1996 PPP (Conf. Proc.), 95 Kramer, M.; Doroshenko, O.; Jessner, A.; Wielebinski, R.; Wolszczan, A.; Camilo, F.; Taylor, J. H.; Xilouris, K. M. *Millisecond Pulsar Timing in Effelsberg*
40. Xilouris, K. M.; Kramer, M. *Depolarization of Pulsar Emission at mm-wavelengths* 1996, HELL (Conf. Proc.), 322
41. Agueros, M.; Xilouris, K. M. *Simultaneous Dual-Frequency Pulsar Observations* 1995, AAS, 187, 1607
42. Papamastorakis, J.; Xilouris, K. M.; Palailogou, E. V. *CCD narrowband photometry of the Helix nebula (NGC 7293)*. 1995, BAAS, 27S, 866
43. Xilouris, K. M.; Kramer, M. *Pulsar polarimetry at mm-wavelengths* 1995, AAS, 186, 4805
44. Papamastorakis, J.; Xilouris, K. M.; Palailogou, E. V. *CCD narrowband photometry of the Helix Nebula (NGC 7293)* 1995, AAS, 186, 3804
45. Kramer, Michael; Wielebinski, Richard; Jessner, Axel; Xilouris, Kiriaki M.; Timofeev, Michail *A possible turn-over in pulsar spectra at mm-wavelengths?* 1995, YERA, (Conf.), 16
46. Xilouris, K. M.; Seiradakis, J. H.; Gil, J.; Sieber, W.; Wielebinski, R. *Pulsar polarimetric observations at 10.55GHz*. 1995, A&A, 293, 153
47. Xilouris, K. M.; Papamastorakis, J.; Sokolov, N.; Paleologou, E.; Reich, W. *Discovery of the new emission nebula G4.4+6.4*. 1994, A&A, 290, 639
48. 1994, A&AL, 288L, 17 Xilouris, K. M.; Kramer, M.; Jessner, A.; Wielebinski, R. *On the nature of pulsar radio-emission*
49. Papamastorakis, J.; Xilouris, K. M.; Paleologou, E. V. *CCD Imaging of Nearby Aged Planetary Nebulae* 1994, IAUS, 161, 484
50. Dettmar, R.-J.; Skiff, B. A.; Xilouris, K. M. *CCD Imaging with a 1 Degree Field* 1994, IAUS, 161, 79
51. Papamastorakis, J.; Xilouris, K. M.; Paleologou, E. V. *Morphological study of the extended halo around the Dumbbell Nebula (NGC 6853)* 1993, A&A, 279, 536
52. Xilouris, K. M.; Papamastorakis, J.; Paleologou, E. V.; Andredakis, Y.; Haerendel, G. *Detection of optical emission in the area of G127.1+0.5* 1993, A&A, 270, 393
53. Xilouris, Kiriaki M.; Rankin, Joanna M.; Seiradakis, John H.; Sieber, Wolfgang *Polarimetric Observations of 20 Weak Pulsars at 1720 MHz* 1992, MSEM (Coll. Proc.), 165
54. Xilouris, K. M. *Pulsars as instrumental polarization calibrators* 1991, A&A, 248, 323
55. Xilouris, K. M.; Rankin, J. M.; Seiradakis, J. H.; Sieber, W. *Polarimetric observations of 20 weak pulsars at 1700 MHz* 1991, A&A, 241, 87