

Asst. Prof. NURTEN FİLİZ AK

Personal Information

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Post Address: Erciyes Üniversitesi Fen Fakültesi Astronomi ve Uzay Bilimleri Bölümü 38039 Kayseri

Education Information

Doctorate, Pennsylvania State University, Eberly Science College, Astronomy And Astrophysics, United States Of America 2009 - 2014

Post Graduate, Çanakkale Onsekiz Mart Üniversitesi, -----, Diş Hekimliği Fakültesi, Turkey 2003 - 2006

Undergraduate Minor, Ankara Üniversitesi, Fen Fakültesi, Matematik, Turkey 2000 - 2003

Under Graduate, Ankara University, Faculty Of Science, Department Of Astronomy And Space Sciences, Turkey 1999 - 2003

Foreign Languages

Spanish, A2 Elementary

English, C1 Advanced

Dissertations

Doctorate, Broad Absorption Line Variability on multi-year timescales in a large quasar sample, Pennsylvania State University, College Of Science, Astronomy And Astrophysics, 2013

Post Graduate, Kromosferik Aktif Çift Sismlemlerin İzokron Yaslarının Belirlenmesi, Çanakkale Onsekiz Mart Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, 2006

Research Areas

Physics, Astronomy and Astrophysics, Astronomy and Astrophysics: Instrumentation Techniques and Observations, Star Systems, Interstellar Medium, The Galaxy, Galactic and Extragalactic Objects and Systems, Cosmology, Stars, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Erciyes Üniversitesi, Fen Fakültesi, Astronomi ve Uzay Bilimleri , 2018 - Continues

Assistant Professor, Erciyes Üniversitesi, Fen Fakültesi, Astronomi ve Uzay Bilimleri , 2015 - 2018

Research Assistant, Erciyes Üniversitesi, Fen Fakültesi, Astronomi ve Uzay Bilimleri , 2007 - 2015

Research Assistant, Pennsylvania State University, Eberly Science Faculty, Astronomy And Space Science, 2010 - 2014

Professional Experience

Fakülte Yönetim Kurulu Üyesi, Erciyes University, 2017 - 2019

Deputy Director of the Center, Erciyes University, -----, --, 2015 - 2019

Courses

Modern Astrofizik ve Kozmoloji, Post Graduate, 2015 - 2016, 2017 - 2018, 2018 - 2019

Tayf Bilime Giriş, Under Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018

Astronomide Veri Tabanları, Post Graduate, 2016 - 2017

Genel Programlamaya Giriş I, Under Graduate, 2017 - 2018

Görsel Bölge Dışı Astronomi, Under Graduate, 2015 - 2016

Advising Theses

Filiz Ak N., GENİŞ SOĞURMA ÇİZGİLİ KUAZARLARIN FOTOMETRİK İNCELENMESİ , Post Graduate, Ö.SAYILI(Student), 2019

Filiz Ak N., J141955.28+522741.4 KUAZARININ GENİŞ SOĞURMA ÇİZGİLERİNİN DEĞİŞİM KARAKTERİSTİĞİ, Post Graduate, D.Erakuman(Student), 2017

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Variability of Low-ionization Broad Absorption-line Quasars Based on Multi-epoch Spectra from the Sloan Digital Sky Survey**
Yi W., Brandt W. N. , Hall P. B. , Vivek M., Grier C. J. , Ak N., Schneider D. P. , Mcgraw S. M.
ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.242, 2019 (Journal Indexed in SCI)
- **Broad Absorption Line Disappearance/Emergence in Multiple Ions in a Weak Emission-line Quasar**
Yi W., Vivek M., Brandt W. N. , Wang T., Timlin J., Ak N., Schneider D. P. , Fynbo J. P. U. , Ni Q., Vito F., et al.
ASTROPHYSICAL JOURNAL LETTERS, vol.870, 2019 (Journal Indexed in SCI)
- **X-ray and multi-epoch optical/UV investigations of BAL to non-BAL quasar transformations**
Sameer S., Brandt W. N. , Anderson S., Hall P. B. , VIVEK M., Ak N., GRIER C. J. , AHMED N. S. , LUO B., Myers A. D. , et al.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.482, pp.1121-1134, 2019 (Journal Indexed in SCI)
- **C IV broad absorption line disappearance in a large SDSS QSO sample**
DE CICCIO D., Brandt W. N. , GRIER C. J. , PAOLILLO M., Ak N., Schneider D. P. , Trump J. R.
ASTRONOMY & ASTROPHYSICS, vol.616, 2018 (Journal Indexed in SCI)
- **Emergence and Variability of Broad Absorption Line Quasar Outflows**
ROGERSON J. A. , Hall P. B. , AHMED N. S. , HIDALGO P. R. , Brandt W. N. , Ak N.
ASTROPHYSICAL JOURNAL, vol.862, 2018 (Journal Indexed in SCI)
- **The Time-domain Spectroscopic Survey: Target Selection for Repeat Spectroscopy**
MacLeod C. L. , Green P. J. , Anderson S. F. , Eracleous M., Ruan J. J. , Runnoe J., Brandt W. N. , Badenes C., Greene J., Morganson E., et al.
ASTRONOMICAL JOURNAL, vol.155, 2018 (Journal Indexed in SCI)
- **Broad absorption line disappearance and emergence using multiple-epoch spectroscopy from the Sloan Digital Sky Survey**
MCGRAW S. M. , Brandt W. N. , GRIER C. J. , Ak N., Hall P. B. , Schneider D. P. , Anderson S. F. , GREEN P. J. , HUTCHINSON T. A. , MACLEOD C. L. , et al.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.469, pp.3163-3184, 2017 (Journal Indexed in SCI)
- **X-Ray Insights into the Nature of Quasars with Redshifted Broad Absorption Lines**
ZHANG N., Brandt W. N. , AHMED N. S. , Hall P. B. , LUO B., Anderson S. F. , Ak N., Petitjean P., Schneider D. P. , SHEN Y., et al.
ASTROPHYSICAL JOURNAL, vol.839, 2017 (Journal Indexed in SCI)
- **CIV BROAD ABSORPTION LINE ACCELERATION IN SLOAN DIGITAL SKY SURVEY QUASARS**
Grier C. J. , Brandt W. N. , Hall P. B. , Trump J. R. , Ak N., Anderson S. F. , Green P. J. , Schneider D. P. , Sun M., Vivek M., et al.

ASTROPHYSICAL JOURNAL, vol.824, 2016 (Journal Indexed in SCI)

- **Multi-epoch observations of extremely high-velocity emergent broad absorption**

ROGERSON J. A. , HALL P. B. , HIDALGO P. R. , PIRKOLA P. , BRANDT W. N. , Ak N.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.457, pp.405-420, 2016 (Journal Indexed in SCI)

- **THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III**

Alam S., Albareti F. D. , Allende Prieto C., Anders F., Anderson S. F. , Anderton T., Andrews B. H. , Armengaud E., Aubourg E., Bailey S., et al.

ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.219, 2015 (Journal Indexed in SCI)

- **THE SLOAN DIGITAL SKY SURVEY REVERBERATION MAPPING PROJECT: RAPID C (IV) BROAD ABSORPTION LINE VARIABILITY**

GRIER C. J. , Hall P. B. , Brandt W. N. , Trump J. R. , SHEN Y., VIVEK M., Ak N., CHEN Y., DAWSON K. S. , Denney K. D. , et al.

ASTROPHYSICAL JOURNAL, vol.806, 2015 (Journal Indexed in SCI)

- **THE DEPENDENCE OF C IV BROAD ABSORPTION LINE PROPERTIES ON ACCOMPANYING Si IV AND Al III ABSORPTION: RELATING QUASAR-WIND IONIZATION LEVELS, KINEMATICS, AND COLUMN DENSITIES**

Ak N., Brandt W. N. , Hall P. B. , Schneider D. P. , Trump J. R. , Anderson S. F. , Hamann F., Myers A. D. , Paris I., Petitjean P., et al.

ASTROPHYSICAL JOURNAL, vol.791, 2014 (Journal Indexed in SCI)

- **THE TENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT**

Ahn C. P. , Alexandroff R., ALLENDE PRIETO C., ANDERS F., Anderson S. F. , Anderton T., Andrews B. H. , Aubourg E., BAILEY S., Bastien F. A. , et al.

ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.211, 2014 (Journal Indexed in SCI)

- **The Sloan Digital Sky Survey quasar catalog: tenth data release**

PARIS I., PETITJEAN P., AUBOURG E., ROSS N. P. , Myers A. D. , STREBLYANSKA A., BAILEY S., HALL P. B. , Strauss M. A. , Anderson S. F. , et al.

ASTRONOMY & ASTROPHYSICS, vol.563, 2014 (Journal Indexed in SCI)

- **BROAD ABSORPTION LINE VARIABILITY ON MULTI-YEAR TIMESCALES IN A LARGE QUASAR SAMPLE**

Ak N., Brandt W. N. , Hall P. B. , Schneider D. P. , Anderson S. F. , Hamann F., Lundgren B. F. , Myers A. D. , Paris I., Petitjean P., et al.

ASTROPHYSICAL JOURNAL, vol.777, 2013 (Journal Indexed in SCI)

- **Broad absorption line quasars with redshifted troughs: high-velocity infall or rotationally dominated outflows?**

Hall P. B. , Brandt W. N. , Petitjean P., Paris I., Ak N., SHEN Y., Gibson R. R. , Aubourg E., Anderson S. F. , Schneider D. P. , et al.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.434, pp.222-256, 2013 (Journal Indexed in SCI)

- **The baryon oscillation spectroscopic survey of SDSS-III**

Dawson K. S. , Schlegel D. J. , Ahn C. P. , ANDERSON S. F. , AUBOURG É., BAILEY S., Barkhouser R. H. , BAUTISTA J. E. , Beifiori A., BERLIND A. A. , et al.

Astronomical Journal, vol.145, 2013 (Journal Indexed in SCI)

- **THE NINTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY**

Ahn C. P. , Alexandroff R., PRIETO C. A. , ANDERSON S. F. , Anderton T., Andrews B. H. , Aubourg E., BAILEY S., BALBINOT E., BARNES R., et al.

ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, vol.203, 2012 (Journal Indexed in SCI)

- **The Sloan Digital Sky Survey quasar catalog: ninth data release**

Paris I., Petitjean P., Aubourg E., Bailey S., Ross N. P. , Myers A. D. , Strauss M. A. , Anderson S. F. , Arnau E., Bautista J., et al.

ASTRONOMY & ASTROPHYSICS, vol.548, 2012 (Journal Indexed in SCI)

- **BROAD ABSORPTION LINE DISAPPEARANCE ON MULTI-YEAR TIMESCALES IN A LARGE QUASAR SAMPLE**

Ak N., Brandt W. N. , Hall P. B. , Schneider D. P. , Anderson S. F. , Gibson R. R. , Lundgren B. F. , Myers A. D. , Petitjean P., Ross N. P. , et al.

ASTROPHYSICAL JOURNAL, vol.757, 2012 (Journal Indexed in SCI)

- **Orbits of six late-type active-chromosphere binaries**

Griffin R. F. , Ak N.

ASTROPHYSICS AND SPACE SCIENCE, vol.330, pp.47-60, 2010 (Journal Indexed in SCI)

- **New absolute magnitude calibrations for detached binaries**

Bilir S., Ak T., SOYDUGAN E., SOYDUGAN F., Yaz E., Ak N., Eker Z., Demircan O., Helvacı M.

ASTRONOMISCHE NACHRICHTEN, vol.329, pp.835-844, 2008 (Journal Indexed in SCI)

- **A catalogue of chromospherically active binary stars (third edition)**

Eker Z., Ak N., Bilir S., Dogru D., Tueysuez M., SOYDUGAN E., Bakis H., Ugras B., SOYDUGAN F., ERDEM A., et al.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.389, pp.1722-1726, 2008 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Rapid BAL Variability: Re-Emerging Absorption**

Erakuman D., Ak N.

FRONTIERS IN ASTRONOMY AND SPACE SCIENCES, vol.4, 2017 (Journal Indexed in ESCI)

- **Photoelectric Minimum Times of Some Eclipsing Binary Stars**

AK H., FİLİZ AK N.

IBVS, pp.5462, 2003 (Non-Refreed Journal)

Refereed Congress / Symposium Publications in Proceedings

- **Seçilen Bazı Açık Yıldız Kümelerinin SDSS Taraması İle Fotometrik Analizleri**

Acar S., AKKAYA ORALHAN I., FİLİZ AK N.

21. Ulusal Astronomi Kongresi, Kayseri, Turkey, 3 - 07 September 2018, pp.9-13

- **SDSS kuzarının kısa zaman ölçekli değişimi**

FİLİZ AK N., Erakuman D.

Ulusal Astronomi Kongresi, Erzurum, Turkey, 5 - 09 September 2016, pp.1-5

- **Broad Absorption Line Variability on Multi-Year Timescales: Current Results and SDSS-III Prospects**

Brandt W. N. , FİLİZ AK N., Schneider D. P. , Hall P. B.

American Astronomical Society, AAS Meeting #220,, Anchorage, Alaska, United States Of America, 1 - 09 May 2012, no.320, pp.1

- **BAL Quasars with Redshifted Troughs**

Hall P. B. , Brandt W. N. , Petitjean P., FİLİZ AK N., Paris I., E. A., Anderson S. F. , Schneider D. P. , Myers A. D. , Bizyaev D., et al.

AGN Winds in Charleston, Charleston, Sc, United States Of America, 14 - 21 October 2011, vol.460, pp.78-79

- **IX PER Sisteminin Yüksek Çözünürlüklü Coude-Echelle tayflarının Analizi**

FİLİZ AK N., AK H., Eker Z., KÜÇÜK I.

XVI. Ulusal Astronomi Kongresi, Çanakkale, Turkey, 8 - 12 September 2008, vol.2, pp.644-653

- **HD 10308 Çoklu Sisteminin TUG Coude Yüksek Çözünürlüklü Tayflarının Analizi**

AK H., FİLİZ AK N.

XVI. Ulusal Astronomi Toplantısı, Çanakkale, Turkey, 8 - 12 September 2008, vol.2, pp.629

- **Ayrı Çift Yıldızlar için Yerni Mutlak Kadir Kalibrasyonları**

Yaz E., Bilir S., Ak T., Soyduğan E., Soyduğan F., FİLİZ AK N., Demircan O., Eker Z., Helvacı M.

XVI. Ulusal Astronomi Kongresi, Çanakkale, Turkey, 8 - 12 September 2008, vol.2, pp.620-643

- **High Resolution Coude Echelle Spectroscopy of IX Per**

Ak N., Eker Z., AK H., Kucuek I.

15th Cambridge Workshop on Cool Stars, Stellar Systems and the Sun, St Andrews, Scotland, 21 - 25 July 2008, vol.1094, pp.632-633

- **Aktif Kromosferli Çift Yıldızların İzokron Yaşları**

FİLİZ AK N., Eker Z., Demircan O.

XV. Ulusal Astronomi Kongresi, İstanbul, Turkey, 2 - 08 September 2006, vol.2, pp.13-28

- **Akti-F Kromosferli Çift Yıldızlar (CAB) Katalogunun Güncellenmesi**

tuysuz m., Eker Z., FİLİZ AK N., Dogru D., Bakis H., Ugras B.

XV. Ulusal Astronomi Kongresi, İstanbul, Turkey, 2 - 08 September 2006, vol.2, pp.835-842

- **Solar and Stellar Rotation**

Demircan O., Eker Z., FİLİZ AK N.

Solar and Stellar Physics Through Eclipses ASP Conference Series, Antalya, Turkey, 27 - 29 March 2006, vol.370, pp.169-172

- **Y Cyg çift sisteminin dönem analizi**

FİLİZ AK N.

XIV. Ulusal Astronomi Kongresi, Kayseri, Turkey, 2 - 08 September 2004, pp.1

Other Publications

- **Record-breaking ultraviolet winds discovered near black hole**

BRANDT W. N. , ROGERSON J. A. , FİLİZ AK N., Rodriguez Hidalgo P., HALL P. B.

Other, pp.1, 2016

- **Basın Duyurusu: Karadelikler Etrafında Evrenin En hızlı Rüzgarları Keşfedildi**

FİLİZ AK N., Rogerson J., Hall P. B. , Brandt W. N.

Other, pp.1, 2016

- **Monitoring Emergent Absorption Troughs in Quasars**

Hall P. B. , Rodriguez Hidalgo P., Brandt W. N. , Rogerson J., FİLİZ AK N., Chajet L.

Other, pp.532, 2014

- **Press Release; Astronomers Discover New Class of Quasars**

Hall P. B. , Brandt W. N. , FİLİZ AK N.

Other, pp.1, 2013

- **Press Release: Gone with the Wind**

FİLİZ AK N., Brandt W. N. , Hall P. B. , Schneider D. P.

Other, pp.1, 2012

Supported Projects

FİLİZ AK N., ERAKUMAN D., Project Supported by Higher Education Institutions, J141955.28+522741.4 KUAZARININ GENİŞ SOĞURMA ÇİZGİLERİNİN DEĞİŞİM KARAKTERİSTİĞİ, 2016 - 2017

AK H., FİLİZ AK N., AVCIA., TANRIVER M., YILDIZ M. K. , AKKAYA İ., Project Supported by Higher Education Institutions, ASTRONOMİ VE UZAY BİLİMLERİ BÖLÜMÜNDE OPTİK TELESKOP KURULUMU VE SEÇİLMİŞ ÇİFT YILDIZLARIN FOTOMETRİK GÖZLEMLERİ VE ANALİZİ, 2009 - 2017

TANRIVER M., AKKAYA İ., AK H., FİLİZ AK N., SARIKAYA M., Project Supported by Higher Education Institutions, OB BİLEŞENLİ ERKEN TÜR ÇİFT YILDIZLARIN IŞIK EĞRİSİ ANALİZİ VE FİZİKSEL PARAMETRELERİNİN BELİRLENMESİ, 2009 - 2017

Brandt W. N. , Filiz Ak N., Project Supported by Public Organizations in Other Countries, Large-scale investigations of quasar winds with the Sloan Digital Sky Survey-III., 2010 - 2015

KÜÇÜK İ., AKKAYA İ., FİLİZ AK N., Project Supported by Higher Education Institutions, GALAKSİMİZDEKİ AÇIK YILDIZ KÜMELERİNİN CCD TEKNİĞİ KULLANILARAK UBVRİ GÖZLEMLERİ, 2009 - 2012

KÜÇÜK İ., FİLİZ AK N., Project Supported by Higher Education Institutions, ALGOL BENZERİ AKTİF KROMOSFERLİ ÇİFT YILDIZ SİSTEMLERİNDEN IX PER VE BU CET'İN TAYFSAL VE FOTOMETRİK İNCELENMESİ, 2009 - 2012

FİLİZ AK N., TUBITAK Project, Aktif Kromosferli Çift Sistemler Katalogu, 2004 - 2006

Memberships / Tasks in Scientific Organizations

SDSS, Member, 2010 - Continues

Scientific Refereeing

MNRAS, SCI Journal, September 2018

MNRAS, SCI Journal, June 2018

MNRAS, SCI Journal, May 2018

MNRAS, SCI Journal, December 2017

MNRAS, SCI Journal, January 2017

MNRAS, SCI Journal, December 2015

MNRAS, SCI Journal, August 2015

MNRAS, SCI Journal, May 2015

Astrophysical Journal, SCI Journal, April 2015

Monthly Notices of the Royal Astronomical Society, SCI Journal, January 2015

Astrophysical Journal, SCI Journal, November 2014

Scientific Research / Working Group Memberships

Sloan Digital Sky Survey -IV, Sloan Foundation, United States Of America, www.sdss.org, 2014 - Continues

The Institute for Gravitation and the Cosmos, Pennsylvania State University, United States Of America, <http://gravity.psu.edu/about/index.shtml>, 2010 - Continues

Sloan Digital Sky Survey-III, SDSS, United States Of America, <https://www.sdss3.org/>, 2010 - Continues

Invited Congress and Symposium Activities

21. Ulusal Astronomi Kongresi, Attendee, Kayseri, Turkey, 2018

Ulusal Astronomi Kongresi, Attendee, Erzurum, Turkey, 2016

Ulusal Astronomi Kongresi, Invited Speaker, Erzurum, Turkey, 2016

SDSS-4 Collaboration Meeting of 2015, Invited Speaker, Spain, 2015

SDSS-4 Collaboration Meeting 2015, Attendee, Madrid, Spain, 2015

President's Circle, Attendee, Kayseri, Turkey, 2014

SDSS-III Collaboration Meeting, Attendee, Baltimore, MD, United States Of America, 2013

Neighborhood Workshop on Astrophysics and Cosmology, Attendee, State College, PA, United States Of America, 2013

SWIFT MOC TALK, Invited Speaker, United States Of America, 2013

SDSS-BOSS Meeting, Attendee, Pittsburg, PA, United States Of America, 2012

SDSS BOSS Collaboration Meeting, Attendee, New York, NY, United States Of America, 2012

Quasar/AGN Workshop, Attendee, Princeton, NJ, United States Of America, 2011

SDSS-III Collaboration Meeting, Attendee, Vanderbilt (Nashville, TN), United States Of America, 2011

The First Galaxies, Quasars and Gamma-Ray Bursts, Attendee, State College, PA, United States Of America, 2010

XVI Ulusal Astronomi Kongresi,, Attendee, Canakkale, Turkey, 2008

XV Ulusal Astronomi Kongresi,, Attendee, İstanbul, Turkey, 2006

XIV Ulusal Astronomi Kongresi,, Attendee, Kayseri, Turkey, 2004

XIII Ulusal Astronomi Kongresi, Attendee, Antalya, Turkey, 2002

4. Astronomi Gunleri, Attendee, Kayseri, Turkey, 2002

Citations

Total Citations (WOS):4438

h-index (WOS):16

Scholarships

Yurtdisi Arastrima Bursu, YOK, 2009 - 2010

Awards

FİLİZ AK N., Zaccheus Daniel Foundation for Astronomical Science Grant, Pennsylvania State University Astronomy and Astrophysics Dep., September 2013

FİLİZ AK N., Young SDSS Astronomer Travel Assistance Award, Sloan Digital Sky Survey-III, April 2013

FİLİZ AK N., Zaccheus Daniel Foundation for Astronomical Science Grant, Pennsylvania State University Astronomy and Astrophysics Dep., September 2012