

ÖZGEÇMİŞ

1. Adı Soyadı : Mehmet Aydın Ulaş
2. Doğum Tarihi : 13/09/1977
3. Unvanı : Dr. Öğr. Üyesi
4. Öğrenim Durumu : Doktora

| Derece | Üniversite | Alanı | Yılı |
|---------------|-----------------------|-------------------------|------|
| Lisans | Boğaziçi Üniversitesi | Bilgisayar Mühendisliği | 1999 |
| Yüksek Lisans | Boğaziçi Üniversitesi | Bilgisayar Mühendisliği | 2001 |
| Doktora | Boğaziçi Üniversitesi | Bilgisayar Mühendisliği | 2009 |

5. Akademik Unvanlar

- Arş. Gör. Boğaziçi Üniversitesi Mühendislik Fakültesi 1999-2002
Arş. Gör. Boğaziçi Üniversitesi Mühendislik Fakültesi 2004-2009
Dr. Öğr. Üyesi (yarı zamanlı) MEF Üniversitesi Mühendislik Fakültesi 2015-2018

6. Bitirilen ve Devam Eden Yüksek Lisans ve Doktora Tezleri

6.1. Bitirilen Yüksek Lisans Tezleri

1. ULAŞ, Mehmet Aydın. (2001). *Veri Madenciliği için Sepet Analizi*. Boğaziçi Üniversitesi Fen Bilimleri Enstitüsü.

6.2. Devam Eden Yüksek Lisans Tezleri

6.3. Bitirilen Doktora Tezleri

1. ULAŞ, Mehmet Aydın. (2009). *Yapay Öğrenmede Çoklu Öğrenici ve Gösterimleri Kullanarak Maliyet Bilinçli Kümelerin Artırımı Oluşturulması*. Boğaziçi Üniversitesi Fen Bilimleri Enstitüsü.

6.4. Devam Eden Doktora Tezleri

7. Yayınlar

7.1. Uluslararası Hakemli Dergilerde Yayımlanan Makaleler (SCI: Science Citation Index; SSCI: Social Science Citation Index; AHCI: Arts&Humanities Citation Index'te Yer Alan Dergiler)

- Cihangir Beşiktaş, Didem Gözüpek, **Aydın Ulaş**, Erhan Lokman, "Secure Virtual Network Embedding with Flexible Bandwidth-Based Revenue Maximization", *Computer Networks*, Vol. 121, pp: 89-99, 2017.
- Manuele Bicego, **Aydın Ulaş**, Umberto Castellani, Alessandro Perina, Vittorio Murino, André F. T. Martins, Pedro M. Q. Aguiar, Mário A. T. Figueiredo, "Combining Information Theoretic Kernels with Generative Embeddings for Classification", *Neurocomputing*, Vol. 101, pp:161-169, 2013.
- Aydın Ulaş**, Olcay Taner Yıldız, Ethem Alpaydın, "Eigenclassifiers for Combining Correlated Classifiers", *Information Sciences*, Vol. 187, pp:109-120, 2012.

4. **Aydın Ulaş**, Olcay Taner Yıldız, Ethem Alpaydın, “Cost-Conscious Comparison of Supervised Learning Algorithms over Multiple Data Sets”, *Pattern Recognition*, Vol. 45, No. 4, pp:1772-1781, 2012
5. **Aydın Ulaş**, Robert P. W. Duin, Umberto Castellani, Marco Loog, Manuele Bicego, Vittorio Murino, Marcella Bellani, Stefania Cerruti, Michele Tansella, Paolo Brambilla, “Dissimilarity-based Detection of Schizophrenia”, *International Journal of Imaging Systems and Technology*, Vol. 21, No. 2, pp:179-192, 2011.
6. **Aydın Ulaş**, Murat Semerci, Olcay Taner Yıldız, Ethem Alpaydın, “Incremental Construction of Classifier and Discriminant Ensembles”, *Information Sciences*, Vol. 179, No. 9, pp:1298-1318, 2009.
7. Berk Gökberk, Helin Dutağacı, **Aydın Ulaş**, Lale Akarun, Bülent Sankur, “Representation Plurality and Decision Level Fusion for 3D Face Recognition”, *IEEE Transactions on Systems, Man, and Cybernetics--Part B: Cybernetics*, Vol. 38, No. 1, pp:155-173, 2008.

7.2. Diğer Uluslararası Hakemli Dergilerde Yayımlanan Makaleler

7.3. Ulusal Hakemli Dergilerde Yayımlanan Makaleler

7.4. Uluslararası Bilimsel Toplantılarda Sunulan ve Bildiri Kitabında Basılan Bildiriler

1. Berna Özbek, Yiğitcan Aydoğmuş, **Aydın Ulaş**, Burak Görkemli, “Joint Routing and Resource Allocation for Software Defined Mobile Networks”, *International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 2019)*, September 8-11, IEEE, İstanbul, Turkey.
2. Olcay Taner Yıldız, **Aydın Ulaş**, “Incremental Construction of Rule Ensembles using Classifiers Produced by Different Class Orderings”, *ICPR 2016*, December 4-8, pp:492-497, Cancun, Mexico.
3. Berna Özbek, Yiğitcan Aydoğmuş, **Aydın Ulaş**, Burak Görkemli, Kazım Ulusoy, “Energy Aware Routing and Traffic Management for Software Defined Networks”, *Conference on Network Softwarization (NetSoft 2016)*, June 6-10, IEEE, pp:73-77, 2016, Seoul, Korea.
4. Burak Görkemli, A. Murat Parlakışık, A. Murat Tekalp, Seyhan Civanlar, **Aydın Ulaş**, “Dynamic Management of Control Plane Performance in Software-Defined Networks”, *Conference on Network Softwarization (NetSoft 2016)*, June 6-10, IEEE, pp:68-72, 2016, Seoul, Korea.
5. Cihangir Beşiktaş, Didem Gözüpek, **Aydın Ulaş**, Erhan Lokman, Özcan Özyurt, Kazım Ulusoy, “Flexible Bandwidth-Based Virtual Network Embedding”, *Network Operations and Management Symposium (NOMS 2016)*, April 25-29, IEEE/IFIP, pp:612-617, 2016, İstanbul, Turkey.
6. Ijaz Ahmad, Madhusanka Liyanage, Suneth Namal, Marcus Eckert, Thomas Bauschert, Zoltan Faigl, Laszlo Bokor, Ece Saygun, Hasan Anıl Akyıldız, Oscar Lopez Perez, Mikel Uriarte Itzazelaia, Berna Özbek, **Aydın Ulaş**, “New Concepts for Traffic, Resource and Mobility Management in Software-Defined Mobile Networks”, *Wireless On-demand Network systems and Services Conference (WONS 2016)*, January 20-22, IEEE/IFIP, pp:41-48, 2016, Cortina d'Ampezzo, Italy.
7. Marco San Biagio, **Aydın Ulaş**, Marco Crocco, Marco Cristani, Umberto Castellani, Vittorio Murino, “A Multiple Kernel Learning Approach to Multi-Modal Pedestrian Classification”, *International Conference on Pattern Recognition (ICPR 2012)*, November 11-15, 2012, Tsukuba, Japan.
8. **Aydın Ulaş**, Mehmet Gönen, Umberto Castellani, Vittorio Murino, Marcella Bellani, Michele Tansella, Paolo Brambilla, “A Localized MKL method for brain classification

with known intra-class variability”, *International Workshop on Machine Learning in Medical Imaging (MLMI 2012)*, LNCS Vol: 7588, pp: 152-159, October 1, 2012, Nice, France.

9. **Aydın Ulaş**, Umberto Castellani, Vittorio Murino, Marcella Bellani, Michele Tansella, Paolo Brambilla, “Biomarker evaluation by Multiple Kernel Learning for Schizophrenia detection”, *International Workshop on Pattern Recognition in Neuroimaging (PRNI 2012)*, pp:89-92, July 2-4, 2012, London, UK.
10. Manuele Bicego, **Aydın Ulaş**, Peter Schüffler, Umberto Castellani, Pasquale Mirtuono, Vittorio Murino, André F. T. Martins, Pedro M. Q. Aguiar, Mário A. T. Figueiredo, “Renal Cancer Cell Classification Using Generative Embeddings and Information Theoretic Kernels”, *PRIB 2011*, LNBI Vol: 7036, pp: 75-86, November 2-4, Delft, The Netherlands.
11. **Aydın Ulaş**, Umberto Castellani, Vittorio Murino, Marcella Bellani, Michele Tansella, Paolo Brambilla, “Heat Diffusion Based Dissimilarity Analysis for Schizophrenia Classification”, *PRIB 2011*, LNBI Vol: 7036, pp: 306-317, November 2-4, Delft, The Netherlands.
12. Umberto Castellani, **Aydın Ulaş**, Vittorio Murino, Marcella Bellani, Michele Tansella, Paolo Brambilla, “Selecting scales by Multiple Kernel Learning for shape diffusion analysis”, *MICCAI 2011, Workshop on Mathematical Foundations of Computational Anatomy*, pp:148-158, September 18-22, Toronto, Canada.
13. **Aydın Ulaş**, Umberto Castellani, Pasquale Mirtuono, Manuele Bicego, Vittorio Murino, Stefania Cerruti, Marcella Bellani, Manfredo Atzori, Gianluca Rambaldelli, Michele Tansella, Paolo Brambilla, “Multimodal Schizophrenia Detection by Multiclassification Analysis”, *CIARP 2011*, LNCS Vol: 7042, pp: 491-498, November 15-18, Pucón, Chile
14. Mehmet Gönen, **Aydın Ulaş**, Peter Schüffler, Umberto Castellani, Vittorio Murino, “Combining Data Sources Nonlinearly for Cell Nucleus Classification of Renal Cell Carcinoma”, *1st International Workshop on Similarity-Based Pattern Analysis*, 2011, LNCS Vol: 7005, pp: 250-260, September 28-30, Venice, Italy.
15. **Aydın Ulaş**, Peter Schüffler, Manuele Bicego, Umberto Castellani, Vittorio Murino, “Hybrid Generative-Discriminative Nucleus Classification of Renal Cell Carcinoma”, *1st International Workshop on Similarity-Based Pattern Analysis*, 2011, LNCS Vol: 7005, pp:77-88, September 28-30, Venice, Italy.
16. Peter Schüffler, **Aydın Ulaş**, Umberto Castellani, Vittorio Murino, “A Multiple Kernel Learning Algorithm for Cell Nucleus Classification of Renal Cell Carcinoma”, *ICIAP 2011*, LNCS Vol: 6978, pp:413-422, September 14-16, Ravenna, Italy.
17. **Aydın Ulaş**, Robert P. W. Duin, Umberto Castellani, Marco Loog, Manuele Bicego, Vittorio Murino, Marcella Bellani, Stefania Cerruti, Michele Tansella, Paolo Brambilla, “Dissimilarity-based Detection of Schizophrenia”, *ICPR workshop on "Brain Decoding: Pattern Recognition Challenges in FMRI Neuroimaging"*, pp: 32-35, August 22, 2010, Istanbul, Turkey.
18. **Aydın Ulaş**, Olcay Taner Yıldız, “An Incremental Model Selection Algorithm Based on Cross-Validation for Finding the Architecture of a Hidden Markov Model on Hand Gesture Data Sets”, *ICMLA 2009*, pp: 170-177, December 13-15, Miami, Florida, USA.

7.5. Ulusal Bilimsel Toplantılarda Sunulan ve Bildiri Kitabında Basılan Bildiriler

1. Seyhan Civanlar, Murat Tekalp, Erhan Lokman, Bülent Kaytaz, **Aydın Ulaş**, “Distributed Flow Management for SDN Domains”, *Signal Processing and*

Communications Applications Conference (SIU 2015), May 16-19, IEEE, pp:2609-2612, 2015, Malatya, Turkey.

2. Burak Görkemli, Sinan Tatlıcıoğlu, Mustafa Kömürçüoğlu, Melih A. Karaman, Özgür Karakaya, **Aydın Ulaş**, “QoS Control and Prioritization with SDN”, *Signal Processing and Communications Applications Conference (SIU 2015)*, May 16-19, IEEE, pp:2613-2616, 2015, Malatya, Turkey.
3. A. Serdar Tan, Özgür Karakaya, **Aydın Ulaş**, Murat Parlakışık, Orhan Küpüşoğlu, Oya Erhan, Erhan Lokman, “Automatic topology discovery in software defined networks”, *Signal Processing and Communications Applications Conference (SIU 2014)*, April 23-25, IEEE, pp:939-942, 2014, Trabzon, Turkey.

7.6. Alana İlişkin Kitap ya da Kitap Bölümü Yazarlığı

7.6.1. Kitap Yazarlığı

7.6.2. Kitap Bölümü Yazarlığı

1. **Aydın Ulaş**, Umberto Castellani, Manuele Bicego, Vittorio Murino, Marcella Bellani, Michele Tansella, Paolo Brambilla, “Analysis of Brain Magnetic Resonance (MR) Scans for the Diagnosis of Mental Illness”, *Similarity-Based Pattern Analysis and Recognition (ISBN: 978-1-4471-5627-7)*, 2013.
2. Pedro M. Q. Aguiar, Manuele Bicego, Umberto Castellani, Mário A. T. Figueiredo, André T. Martins, Vittorio Murino, Alessandro Perina, **Aydın Ulaş**, “On the Combination of Information-Theoretic Kernels with Generative Embeddings”, *Similarity-Based Pattern Analysis and Recognition (ISBN: 978-1-4471-5627-7)*, 2013.

7.6.3. Kitap Tanıtımı

7.7. Diğer Bilimsel Etkinlikler ve Deneyim

8. Projeler

8.1. Bitirilen Projeler

1. SIGMONA, SDN Concept in Generalized Mobile Network Architectures, Celtic-Plus
2. yakamOS, An Openflow Controller and Applications, TUBİTAK/TEYDEB
3. SIMBAD, Similarity Based Pattern Recognition, FP7/Fet-Open
4. TUBİTAK, Cross Validation for Model Selection in Machine Learning (Yapay Öğrenmede Model Seçimi İçin Çapraz Geçerleme), 104E079
5. Boğaziçi University, Research Fund, Cost-Conscious Combination of Classifiers and Representations (Maliyet Bilinçli Model ve Gösterim Birleştirme), 05HA101
6. BIOSECURE, Network of Excellence
7. State Planning Organization of Turkey, Perceptual Human Computer Interaction (Algısal İnsan Bilgisayar Etkileşimi), 03K120250

8.2. Yürütülen Projeler

1. PROFILE, “Data Analytics, Data Sources, and Architecture for Upgraded European Customs Risk Management”, H2020
2. LOCUS, “LOCALization and analytics on-demand embedded in the 5G ecosystem, for Ubiquitous vertical applications”, H2020

9. Ödüller

10. Bilimsel Kuruluşlara Üyelikler

1. IEEE Computational Intelligence Society (2005–), Senior Member (2015–)

2. TÖTİAD, IAPR

11. İdari Görevler

11.1. Yurtiçi ve Yurtdışı Görevlendirmeler

11.1.1. Yurtiçi Görevlendirmeler

11.1.2. Yurtdışı Görevlendirmeler

12. Son İki Yılda Verilen Dersler

| LİSANS DERSLERİ | | |
|-------------------------------|-------------------------------------|----------------------------|
| DÖNEM | DERSİN ADI | HAFTALIK DERS SAATİ |
| GÜZ | Ayrık ve Kombinatorik Matematik | 3 |
| | Biçimsel Diller ve Otomatlar Kuramı | 3 |
| | Yapay Sinir Ağları | 3 |
| BAHAR | Ayrık ve Kombinatorik Matematik | 3 |
| | | |
| YÜKSEK LİSANS DERSLERİ | | |
| DÖNEM | DERSİN ADI | HAFTALIK DERS SAATİ |
| GÜZ | | |
| | | |
| BAHAR | | |
| | | |

13. Atıflar