

## Asst. Prof. GÜNCE KEZİBAN ORMAN

### Personal Information

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### Education Information

Doctorate, Insa De Lyon, Turkey 2012 - 2014

Postgraduate, Galatasaray University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), Turkey 2007 - 2010

Undergraduate, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2000 - 2005

### Foreign Languages

French, B2 Upper Intermediate

English, B2 Upper Intermediate

### Dissertations

Doctorate, Contribution to the interpretation of evolving communities in complex networks: Application to the study of social interactions, Insa De Lyon, 2014

Postgraduate, Community detection in complex networks, Galatasaray Üniversitesi, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), 2010

### Research Areas

algorithms, Artificial Intelligence, Computer Learning and Pattern Recognition

### Academic Titles / Tasks

Research Assistant, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği Bölümü, 2009 - 2017

### Academic and Administrative Experience

Head of Department, Galatasaray University, 2021 - 2024

Vice Dean, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği, 2020 - 2023

Assistant Manager of Research and Application Center, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği, 2020 - 2023

Deputy Head of Department, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği, 2019 - 2021

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Dynamic network modelling with similarity based aggregation algorithm**  
Orman G. K.  
COMPUTER SCIENCE AND INFORMATION SYSTEMS, vol.00, no.0, pp.12, 2022 (Peer-Reviewed Journal)
- II. **Finding proper time intervals for dynamic network extraction**  
Orman G. K. , Ture N., Balcisoy S., Boz H. A.  
JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT, vol.2021, no.3, 2021 (Peer-Reviewed Journal)
- III. **Hyperoxia Alters Ultrastructure and Induces Apoptosis in Leukemia Cell Lines**  
De Bels D., Tillmans F., Corazza F., Bizzarri M., Germonpre P., Radermacher P., ORMAN K., Balestra C.  
BIOMOLECULES, vol.10, no.2, 2020 (Peer-Reviewed Journal)
- IV. **Exploring the evolution of node neighborhoods in Dynamic Networks**  
Orman G. K. , Labatut V., NASKALI A. T.  
PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, vol.482, pp.375-391, 2017 (Peer-Reviewed Journal)
- V. **ULTRASOUND ELASTOGRAPHIC EVALUATION IN THE DIAGNOSIS OF CARPAL TUNNEL SYNDROME: INITIAL FINDINGS**  
Orman G., Ozben S., HÜSEYİNOĞLU N., Duymus M., Orman K. G.  
ULTRASOUND IN MEDICINE AND BIOLOGY, vol.39, no.7, pp.1184-1189, 2013 (Peer-Reviewed Journal)
- VI. **Comparative evaluation of community detection algorithms: a topological approach**  
Orman G. K. , Labatut V., Cherifi H.  
JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT, 2012 (Peer-Reviewed Journal)

## Articles Published in Other Journals

- I. **Quantitative and Qualitative Analysis of Overlapping Community Detection Algorithms**  
Orman G. K.  
IAENG International Journal of Computer Science, vol.48, no.4, pp.1, 2021 (Peer-Reviewed Journal)
- II. **Interpreting communities based on the evolution of a dynamic attributed network**  
Orman G. K. , Labatut V., Plantevit M., Boulicaut J.  
SOCIAL NETWORK ANALYSIS AND MINING, vol.5, no.1, 2015 (Peer-Reviewed Journal)
- III. **Towards realistic artificial benchmark for community detection algorithms evaluation**  
Orman G. K. , Labatut V., Cherifi H.  
International Journal of Web Based Communities, vol.9, no.3, pp.349-370, 2013 (Peer-Reviewed Journal)
- IV. **On Accuracy of Community Structure Discovery Algorithms**  
ORMAN G. K. , Labatut V., Cherifi H.  
Journal of Convergence Information Technology, vol.6, no.11, pp.283-292, 2011 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **An Empirical Study of the Relation between Community Structure and Transitivity**  
ORMAN K., LABATUT V., CHERIFI H.  
in: Complex Networks Studies in Computational Intelligence, Menezes, Ronaldo, Evsukoff, Alexandre, González, Marta C, Editor, Springer-Verlag Berlin Heidelberg, pp.99-110, 2013
- II. **Qualitative Comparison of Community Detection Algorithms**  
ORMAN K., LABATUT V., CHERIFI H.  
in: Digital Information and Communication Technology and Its Applications Communications in Computer and Information Science, Hocine Cherifi, Jasni Mohamad Zain, Eyas El-Qawasmeh, Editor, Springer-Verlag GmbH Berlin Heidelberg, pp.265-279, 2011
- III. **A Comparison of Community Detection Algorithms on Artificial Networks**  
ORMAN K., LABATUT V.

## Refereed Congress / Symposium Publications in Proceedings

- I. **Determining Column Numbers in Résumés with Clustering**  
Keskin Ş. R. , Bah Y., Orman G. K. , Daniş F. S. , Turhan S. N.  
18th IFIP WG 12.5 International Conference on Artificial Intelligence Applications and Innovations, AIAI 2022, Hersonissos, Greece, 17 - 20 June 2022, vol.647 IFIP, pp.460-471
- II. **Investigation of Mechanical Properties of AISI 304 Quality Stainless Steel, Connected to Cold Deformation Rate, Phase Quantity and Heat Treatment Processes**  
Ay o., ekici h., GÜRAYDIN B., güler e., DANİŞ F. S. , ORMAN K.  
International Steel Rolling Symposium (ISRS 2021), Hatay, Turkey, 23 September 2021
- III. **Aggregating time windows for dynamic network extraction**  
Colak S., ORMAN G. K.  
2021 International Conference on INnovations in Intelligent SysTems and Applications, INISTA 2021, Kocaeli, Turkey, 25 - 27 August 2021
- IV. **Similarity Based Compression Ratio for Dynamic Network Modelling**  
Orman G. K. , Colak S.  
2021 IEEE 19th International Conference on Smart Technologies (EUROCON), Lviv, Ukraine, 6 - 08 July 2021
- V. **Multiple Communities of Ego in Social Networks**  
Orman K.  
The 2021 International Conference of Data Mining and Knowledge Engineering, London, United Kingdom, 7 - 09 July 2021, pp.128-133
- VI. **Detecting Genetic Disposition of Ethnicity to Autoimmune Diseases via Clustering**  
Senturk D., ORMAN G. K.  
2021 IEEE International Conference on Big Data, Big Data 2021, Virtual, Online, United States Of America, 15 - 18 December 2021, pp.4761-4769
- VII. **A comparative study for accurate forecasting**  
ergen m. s. , ORMAN K.  
DTSS2018, DIGITAL TRANSFORMATION SMART SYSTEMS, Ankara, Turkey, 24 - 26 October 2018
- VIII. **Overlapping Communities via k-Connected Ego Centered Groups**  
Orman G. K. , Karadeli O., Calisir E.  
IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), Paris, France, 25 - 28 August 2015, pp.1598-1599
- IX. **Mobil İletişim Verisi Kullanarak Topluluk Bulma Konusuna Genel Bakış ve Yöntemler**  
ARINIK N., DURMAZ İNCEL Ö., ORMAN K.  
17. Akademik Bilişim 2015 (AB2015), Turkey, 06 February 2015
- X. **A Method for Characterizing Communities in Dynamic Attributed Complex Networks**  
Orman G. K. , Labatut V., Plantevit M., Boulicaut J.  
IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), Beijing, China, 17 - 20 August 2014, pp.481-484
- XI. **Une méthode pour caractériser les communautés des réseaux dynamiques à attributs**  
ORMAN K., LABATUT V., PLANTEVIT M., BOULICAUT J. F.  
14èmes Journées Francophones Extraction et Gestion des Connaissances (EGC), 31 January 2014
- XII. **Relation entre transitivité et structure de communauté dans les réseaux complexes**  
ORMAN K., LABATUT V., CHERIFI H.  
2ème Journée thématique fouille de grands graphes (JFGG), 21 October 2011
- XIII. **Qualitative Comparison of Community Detection Algorithms**  
Orman G. K. , Labatut V., Cherifi H.

International Conference on Digital Information and Communication Technology and Its Applications, Dijon, France, 21 - 23 June 2011, vol.167, pp.265-267

**XIV. The Effect of Network Realism on Community Detection Algorithms**

Orman G. K. , Labatut V.

International Conference on Advances in Social Network Analysis and Mining (ASONAM), Odense, Denmark, 9 - 11 August 2010, pp.301-305

**XV. A Comparison of Community Detection Algorithms on Artificial Networks**

Orman G. K. , Labatut V.

12th International Conference on Discovery Science, Porto, Portugal, 3 - 05 October 2009, vol.5808, pp.242-256

**XVI. Relative Evaluation of Partition Algorithms for Complex Networks**

Orman G. K. , Labatut V.

1st International Conference on Networked Digital Technologies (NDT 2009), Ostrava, Czech Republic, 28 - 31 July 2009, pp.20-25

**XVII. Açık Kaynak Kod Tabanlı Yüksek Kullanılabilirlikli Veritabanı Sistemi**

ERDEM A., ÇABUK M., ORMAN K.

3. Ulusal Yazılım Mühendisliği Sempozyumu ve Sergisi (UYMS), Turkey, 30 September 2007

## Supported Projects

ORMAN G. K. , Project Supported by Higher Education Institutions, SOSYAL AĞLARDA KÜME BULMA VE ANLAMLANDIRMA: ZAMANA BAĞLI SIRALI ÖRÜNTÜ UYGULAMASI, 2014 - 2017

## Metrics

Publication: 34

Citation (WoS): 297

Citation (Scopus): 392

H-Index (WoS): 8

H-Index (Scopus): 9