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Personal Information

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Education Information

Doctorate, Middle East Technical University, Fen Edebiyat, Fizik, Turkey 1982 - 1989

Post Graduate, Boğaziçi Üniversitesi, Temel Bilimler Fakültesi, Fizik, Turkey 1980 - 1982

Under Graduate, Boğaziçi Üniversitesi, Temel Bilimler Fakültesi, Fizik, Turkey 1976 - 1980

Foreign Languages

English, C1 Advanced

German, C1 Advanced

Dissertations

Doctorate, An Exterior calculus package for REDUCE and dimensional reduction of generalised theories of gravity, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1989

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 2008 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 1997 - 2008

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Computer Engineering, 1990 - 1997

Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 1982 - 1990

Advising Theses

TOROSLU İ. H. , ÜÇOLUK G., RnR: Reduce and Raise - Bottom-Up Community Detection in Bipartite and Tripartite Graphs, Post Graduate, K.EKMEKÇİ(Student), 2019

ÜÇOLUK G., Vision-based detection and distance estimation of micro unmanned aerial vehicles, Doctorate, F.GÖKÇE(Student), 2015

ÜÇOLUK G., Ontology based text mining in Turkish radiology reports, Post Graduate, O.DENİZ(Student), 2012

ÜÇOLUK G., Processing Turkish radiology reports, Post Graduate, K.HADIMLI(Student), 2011

ŞEHİTOĞLU O. T. , ÜÇOLUK G., Improving search result clustering by integrating semantic information from Wikipedia, Post Graduate, Ç.Çallı(Student), 2010

TOROSLU İ. H. , ÜÇOLUK G., A comparative study of tree encodings for evolutionary computing, Post Graduate, E.SAKA(Student), 2005

ŞEHİTOĞLU O. T. , ÜÇOLUK G., A comparative study of evolutionary network design, Post Graduate, S.Kalkan(Student), 2003

ÜÇOLUK G., Controlled genetic programming search for solving deceptive problems, Doctorate, E.ERKAN(Student), 2003

ÜÇOLUK G., Gene reordering and concurrency in genetic algorithms, Doctorate, O.TOLGA(Student), 2002

ÜÇOLUK G., Darwin-A Genetic algorithm language design and its cross compiler implementation, Post Graduate, A.ARSLAN(Student), 1999

ÜÇOLUK G., A Method for improving automatic word categorization, Post Graduate, E.ERKAN(Student), 1997

ÜÇOLUK G., Three dimensional object reconstruction from boundary data, Post Graduate, M.YOLMAZ(Student), 1995

ÜÇOLUK G., Automated geometry theorem proving, Post Graduate, D.EDE(Student), 1993

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

- **Multiobjective Design Optimization of Building Space Layout, Energy, and Daylighting Performance**
Dino I. G. , Üçoluk G.
Journal of Computing in Civil Engineering, vol.31, 2017 (Journal Indexed in SCI)
- **Vision-Based Detection and Distance Estimation of Micro Unmanned Aerial Vehicles**
Gökçe F., Ucoluk G., Sahin E., Kalkan S.
SENSORS, vol.15, pp.23805-23846, 2015 (Journal Indexed in SCI)
- **Incremental assignment problem**
Toroslu I. H. , Ucoluk G.
INFORMATION SCIENCES, vol.177, pp.1523-1529, 2007 (Journal Indexed in SCI)
- **To afford or not to afford: A new formalization of affordances toward affordance-based robot control**
Sahin E., ÇAKMAK M., Dogar M. R. , UĞUR E., Ucoluk G.
ADAPTIVE BEHAVIOR, vol.15, pp.447-472, 2007 (Journal Indexed in SCI)
- **A controlled genetic programming approach for the deceptive domain**
KORKMAZ E. E. , Ucoluk G.
IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS, vol.34, pp.1730-1742, 2004
(Journal Indexed in SCI)
- **A realistic success criterion for discourse segmentation**
Yondem M., Ucoluk G.
COMPUTER AND INFORMATION SCIENCES - ISCIS 2003, vol.2869, pp.592-600, 2003 (Journal Indexed in SCI)
- **Design and usage of a new benchmark problem for genetic programming**
KORKMAZ E. E. , Ucoluk G.
COMPUTER AND INFORMATION SCIENCES - ISCIS 2003, vol.2869, pp.561-567, 2003 (Journal Indexed in SCI)
- **Gene level concurrency in genetic algorithms**
Sehitoglu O. T. , Ucoluk G.
COMPUTER AND INFORMATION SCIENCES - ISCIS 2003, vol.2869, pp.976-983, 2003 (Journal Indexed in SCI)
- **Genetic algorithm solution of the TSP avoiding special crossover and mutation**
Ucoluk G.
INTELLIGENT AUTOMATION AND SOFT COMPUTING, vol.8, pp.265-272, 2002 (Journal Indexed in SCI)
- **Automatic reconstruction of broken 3-D surface objects**
Ucoluk G., Toroslu I.
COMPUTERS & GRAPHICS-UK, vol.23, pp.573-582, 1999 (Journal Indexed in SCI)
- **A genetic algorithm approach for verification of the syllable-based text compression technique**
Ucoluk G., Toroslu I.
JOURNAL OF INFORMATION SCIENCE, vol.23, pp.365-372, 1997 (Journal Indexed in SCI)
- **A study of stationary, axially symmetric space-time geometries satisfying modified double duality**

equations using the exterior calculus package XTR for REDUCE

Dereli T., ÜÇOLUK G.

Journal of Computational Physics, vol.99, pp.169-175, 1992 (Journal Indexed in SCI Expanded)

KALUZA-KLEIN REDUCTION OF GENERALIZED THEORIES OF GRAVITY AND NONMINIMAL GAUGE COUPLINGS

DERELI T., UCOLUK G.

CLASSICAL AND QUANTUM GRAVITY, vol.7, pp.1109-1115, 1990 (Journal Indexed in SCI)

DIRECT-CURVATURE YANG-MILLS FIELD COUPLINGS INDUCED BY THE KALUZA-KLEIN REDUCTION OF EULER FORM ACTIONS IN 7 DIMENSIONS

DERELI T., UCOLUK G.

CLASSICAL AND QUANTUM GRAVITY, vol.7, pp.533-539, 1990 (Journal Indexed in SCI)

Books & Book Chapters

Introduction to programming concepts with case studies in Python

ÜÇOLUK G., KALKAN S.

Springer, 2012

Refereed Congress / Symposium Publications in Proceedings

Mikro İnsansız Hava Araçlarının Kademeli Sınıflandırıcılarla Algılanması ve Mesafe Tespiti

Gökçe F., Üçoluk G., Şahin E., Kalkan S.

Türkiye Robotbilim Konferansı, İstanbul, Turkey, 26 - 27 October 2015

DARWIN: A Genetic Algorithm Language

ARSLAN A., Ucoluk G.

28th International Symposium on Computer and Information Sciences (ISCIS), Paris, France, 28 - 29 October 2013, vol.264, pp.35-44

A genetic algorithm approach to the artillery target assignment problem

Sapaz B., TOROSLU İ. H. , ÜÇOLUK G.

25th International Symposium on Computer and Information Sciences, ISCIS 2010, London, England, 22 - 24 September 2010, pp.39-42

A pattern classification approach for boosting with genetic algorithms

Yalabık I., Yarman-Vural F. T. , Ucoluk G., ŞEHİTOĞLU O. T.

22nd International Symposium on Computer and Information Sciences, Ankara, Turkey, 7 - 09 November 2007, pp.250-255

A Building Block Favoring Reordering Method for Gene Positions in Genetic Algorithms

ŞEHİTOĞLU O. T. , ÜÇOLUK G.

GECCO 2001, San-Francisco, United States Of America, 7 - 11 July 2001, pp.571-575

A method for chromosome handling of r-permutations of n-element set in genetic algorithms

Ucoluk G.

1997 IEEE International Conference on Evolutionary Computation (ICEC 97), Indiana, United States Of America, 13 - 16 April 1997, pp.55-58

Citations

Total Citations (WOS):333

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