

VEDAT G. DIKER - Curriculum Vitae

I. PERSONAL INFORMATION

I.A. UID: 107755827

 Name: Vedat Guclu DIKER

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 College Park, MD 20742-4911, U.S.A.

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I.B. Academic Appointments at UMD

2019- Principal Lecturer, iSchool - College of Information Studies, UMCP

2010-2019 Senior Lecturer, iSchool - College of Information Studies, UMCP

2004-2009 Assistant Professor, iSchool, UMCP

2003-2004 Lecturer, iSchool, UMCP

I.C. Administrative Appointments at UMD

2022- Director, M.S. in Human-computer Interaction Program, iSchool, UMCP

2022- Executive Director for Academics, iSchool, UMCP

2015-2022 Director, B.Sc. in Information Science Program, iSchool, UMCP

2008-2015 Director, iSchool Programs at Shady Grove, iSchool, UMCP

2006-2011 Coordinator, Master of Information Management Program, iSchool, UMCP

I.D. Other Employment

- 2000-2003 Technical Assistant, System Dynamics Society, Albany, NY.
- 1998-2001 Graduate Assistant, University at Albany, State University of New York
- 1994-1998 Graduate Assistant, Dept. of Industrial Eng'g, Bogazici Univ., Istanbul, Turkey

I.E. Educational Background (Degrees earned are in bold)

- 1998-2003 **Ph.D. in Information Science**, Interdisciplinary Doctoral Program in Information Science, School of Information Science and Policy
(now College of Emergency Preparedness, Homeland Security, and Cybersecurity),
University at Albany - State University of New York.
- 1996-1998 Doctoral Study in Engineering Management, Department of Industrial Eng'g,
Istanbul Technical University, Istanbul, Turkey. (Not completed - ABD)
- 1992-1995 **M.Sc. in Industrial Engineering**, Department of Industrial Engineering,
Bogazici University, Istanbul, Turkey.
- 1986-1991 **B.Sc. in Management Engineering**, Department of Management,
Istanbul Technical University, Istanbul, Turkey.

Doctoral Dissertation Title

Toward a Dynamic Theory of Open Online Collaboration Communities
(http://terpconnect.umd.edu/~vdiker/diker_dissertation.pdf)

M.Sc. Thesis Title

An Interactive Dynamic Simulation Model of a University Management System
(Abstract: <http://www.wam.umd.edu/~vdiker/mscabstract.pdf>)

II. RESEARCH, SCHOLARLY AND PROFESSIONAL ACTIVITIES

II.A. Books

II.A.3. Books Translated (English to Turkish)

Yonetim Sorunlarına Etkili Cozumler, (with Levent Akin), Hayat Publishers - Çanta Kitapları (Briefcase Books Series), Istanbul, 1998, ISBN: 9789758243242
[from the original 'Straight Answers to People Problems' by Fred E. Jandt, Irwin, New York, NY, 1994.]

Yeni Yoneticinin El Kitabı - 1 (Yonetim Fonksiyonlari), Hayat Publishers - Çanta Kitapları (Briefcase Books Series), Istanbul, 1998, ISBN: 9789758243266
[from the original 'The New Manager's Handbook' by Brad L. Thompson, Irwin, New York, NY, 1995.]

Yeni Yoneticinin El Kitabı - 2 (Performans Gelistirme), Hayat Publishers - Çanta Kitapları (Briefcase Books Series), Istanbul, 1998, ISBN: 9758243268
[from the original 'The New Manager's Handbook' by Brad L. Thompson, Irwin, New York, NY, 1995.]

Stres Yonetimi, Hayat Publishers - Çanta Kitapları (Briefcase Books Series), Istanbul, 1998, ISBN: 9789758243273
[from the original 'Managing Stress' by Barbara J. Braham, Irwin, New York, NY, 1994.]

II.C. Refereed Journals

II.C.1. Refereed Journal Articles

The Disconfirmatory Interview as a Strategy for the Assessment of System Dynamics Models, (with Deborah L. Andersen, Luis F. Luna-Reyes, Laura Black, Eliot Rich, David F. Andersen), System Dynamics Review, vol.:28, no.:3, pp.: 255-275, 2012.
(<http://onlinelibrary.wiley.com/doi/10.1002/sdr.1479/abstract>)

A Dynamic Simulation Game (UNIGAME) for Strategic University Management, (with Yaman Barlas), Simulation and Gaming, vol.: 31, no.:3, pp.: 331-358, 2000.
(<http://www.wam.umd.edu/~vdiker/simgam00.pdf>)

II.C.3. Perspectives, Opinions, and Letters

XMILE: Towards an XML Interchange Language for System Dynamics Models, (with Robert B. Allen), System Dynamics Review, vol.:21, no.:4, pp.: 351-359, 2005.
(<http://onlinelibrary.wiley.com/doi/10.1002/sdr.321/abstract>)

II.D. Published Conference Proceedings

II.D.1. Refereed Conference Proceedings

It's about Time: The Why and How of Using XML for Developing an Interchange Standard for System Dynamics Models, (with Robert B. Allen), Proceedings of the 23rd International Conference of the System Dynamics Society, Boston, MA, July 18-21, 2005, (ISBN: 0-9745329-2-4).

Interviewing as a Strategy for the Assessment of System Dynamics Models, (with Luis F. Luna-Reyes and Deborah L. Andersen), Proceedings of the 23rd International Conference of the System Dynamics Society, Boston, MA, July 18-21, 2005, (ISBN: 0-9745329-2-4).

Improving Open Online Content Development for K-12 Education, Proceedings of the 2004 International Convention of the Association for Education Communications and Technology, Chicago, IL, October 19-24, 2004.
(<https://files.eric.ed.gov/fulltext/ED485136.pdf>)

A Dynamic Feedback Framework for Studying Growth Policies in Open Online Collaboration Communities, CD-Rom Proceedings of the 10th Americas Conference on Information Systems, New York City, NY, August 5-8, 2004.
(https://www.researchgate.net/profile/Vedat_Diker/publication/220892740_A_Dynamic_Feedback_Framework_for_Studying_Growth_Policies_in_Open_Online_Collaboration_Communities/links/00b49527d5d7a58c55000000/A-Dynamic-Feedback-Framework-for-Studying-Growth-Policies-in-Open-Online-Collaboration-Communities.pdf)

The Art of Leveraging: How Powerful Nonlinear Feedback Processes Can Restructure Rapidly Growing Technology and Knowledge Industries, (with Hans J. Scholl), Proceedings of the 34th Annual Hawaii International Conference on System Sciences, Maui, HI, January 3-6, 2001, (ISBN: 0-7695-0981-9/01).
(<http://www.wam.umd.edu/~vdiker/hicss01.pdf>)

David vs. Goliath: Responses to Domination Strategies in PC and Server OS Markets, (with Hans J. Scholl), Proceedings of the 17th International Conference of the System Dynamics Society and 5th Australian & New Zealand Systems Conference, Wellington, New Zealand, July 20 - 23, 1999, (ISBN: 0-9672914-1-0).
(<http://www.wam.umd.edu/~vdiker/isdc99.pdf>)

Decision Support for Strategic University Management: A Dynamic Interactive Game, (with Yaman Barlas), Proceedings of the 14th International System Dynamics Conference, v.1, pp. 47-50, Cambridge, MA, July 21-25, 1996.
(Longer on-line version: <http://www.wam.umd.edu/~vdiker/isdc96.pdf>)

An Interactive Dynamic Simulation Model of a University Management System, (with Yaman Barlas), Proceedings of 1996 ACM Symposium on Applied Computing, pp. 120-128, Philadelphia, PA, February 18-20, 1996.
(<http://www.wam.umd.edu/~vdiker/acmsac96.pdf>)

II.E. Conferences, Workshops, and Talks

II.E.8. Non-Refereed Presentations

Dynamics of Open Content Development for Introducing Systems Thinking/System Dynamics in K-12 Education, CD-Rom Proceedings of the Third Systems Thinking and Dynamic Modeling Biennial Conference, Stevenson, WA, June 30 - July 2, 2004.

II.F. Professional and Extension Publications

II.F.1. Reports and Non-Refereed Monographs

An Interactive Dynamic Simulation Model for Strategic University Management, (with Yaman Barlas), Research Paper, FBE-IE-12/96-18, Bogazici University, Institute for Graduate Studies in Science and Engineering, Istanbul, 1996.
(<http://www.wam.umd.edu/~vdiker/boun96.pdf>)

II.H. Completed Creative Works

II.H.8. Software and Applications

University Game 2.1
(<http://sesdyn.ie.boun.edu.tr/projects/unigame/info.html>) (Information)
(<http://www.wam.umd.edu/~vdiker/unigame2.zip>) (Software)

SUCH - Supply Chain Management Simulator

ISDC - Online article submission and review system for the International System Dynamics Conference

II.O. Other Research / Scholarship / Creative Activities

II.O.1. Sponsored Research Projects (not at UMCP)

Dynamic System Simulation for Analysis of Problems of Higher Education, (with Y. Barlas, A. R. Kaylan, A. Baykal and A. Arikan), 1996-1997.
Sponsored by TUBITAK - Scientific and Technical Research Council of Turkey and OSYM - Student Selection and Placement Center.

Participatory Dynamic Simulation Models for Management Systems, (with Y. Barlas and O. Ulku), 1995-1996.
Sponsored by Bogazici University Research Fund.

Participatory Computer Simulation as an Experiential Learning and Research Platform for Socio-Economic Systems, (with Y. Barlas and A. R. Kaylan), 1993-1995.
Sponsored by Bogazici University Research Fund.

III. TEACHING, EXTENSION, MENTORING, AND ADVISING

III.A. Courses Taught (last five years / 2018-2022)

- INST123 - Databases for All (a Scholarship in Practice GenEd course)
(Five co-taught in-class and online sections, 100-150 seats per section)
- INST126 - Introduction to Programming for Information Science
(Two co-taught online sections, 50 seats per section)
- INST327 - Database Design and Modeling (a Scholarship in Practice GenEd course)
(Ten in-class and online sections, (five co-taught), 50-150 seats per section)
- INST408M - Managing with Data and Simulations
(One co-taught in-hybrid section, 10 seats per section)
- INST490 - Integrated Capstone for Information Science
(Two co-taught online sections, 50-55 seats per section)
- INST630 - Introduction to Programming for the Information Professional
(One in-class section, 20 seats per section)
- INST733 - Database Design
(Four in-class and online sections (three co-taught), 20-30 seats per section)
- INFM757 - Organizational and Business Process Modeling
(One in-class section, 10-30 seats per section)

III.B. Teaching Innovations

III.B.1. Major Programs Established

Led establishment and ongoing development of the B.Sc. in Information Science curriculum (2015-2021):

- Led development of BSIS core courses (10 courses between 2015-2017)
- Led development of Data Science specialization (five courses between 2015-2017)
- Led development of framework for applying non-iSchool courses as BSIS electives
- Led development and articulation of program policies
- Led development of academic advising processes and tools
- Led development of articulation agreements with community colleges

III.B.4. Software, Applications, Online Education, etc.

Co-developed online versions of two existing undergraduate courses (2020-2021)

INST123 - Databases for All

INST327 - Database Design and Modeling

Developed online/hybrid versions of four existing graduate courses (2009-2014)

INFM718A - Information for Decision Making

INST733 - Database Design

INFM747 - Web-enabled Databases

LBSC635 - Management and Admin. for the Info. Professional (Blended/Hybrid)

III.B.6. Course or Curriculum Development

Co-led development and launch of the Cybersecurity and Privacy specialization (2018-2019)

Coordinated development and launch of the Digital Curation specialization (2018-2019)

Developed prototype syllabus for an elective course in the BSIS curriculum (2021-2022)

INST408M - Managing with Data and Simulations

Developed prototype syllabi for eight courses in the BSIS curriculum (2015-2017)

INST126 - Introduction to Programming for Information Science

INST326 - Object-oriented Programming for Information Science

INST327 - Database Design and Modeling

INST346 - Technologies Infrastructure and Architecture

INST354 - Decision-Making for Information Science

INST377 - Dynamic Web Applications

INST477 - Data Sources and Manipulation

INST490 - Capstone for Information Science

Developed/re-developed/prototyped eight graduate courses (2003-2013)

INFM603 - Information technology and Organizational Context

INFM605 - Users and Use Context

INFM613 - Systems Analysis and Design

INFM718A - Information for Decision Making

INFM718J - Communities of Practice/Online Communities (Co-Developer)

INFM747 - Web-enabled Databases

INFM757 - Organizational and Business Process Modeling

INST733 - Database Design

Co-led restructuring of Master of Information Management curriculum (2006-2007)

Led development of Socio-tech Information Systems specialization in MIM (2006-2007)

III.B.7. Teaching Modules

Co-developed text and video course materials for two online undergraduate courses

INST123 - Databases for All

INFM327 - Database Design and Modeling

Developed text and video course materials for two online graduate courses

INST733 - Database Design

INFM747 - Web-enabled Databases

III.B.8. Other

Adding Experiential Learning-based Community and Civic Engagement to a Database Design Course, UMD Teaching Innovation Grant, (August 2022 - May 2023)

Integrating Ethics and DEI Coverage and Assessment into INST327 - Database Design and Modeling, as part of the ARTS Seminar - Summer '21 (June 2021 - August 2021)

Redesign for Online Instruction of Database Design Scholarship in Practice Courses INST327 / INST123, UMD Teaching Innovation Grant, (June 2020 - August 2020)

III.C. Advising: Research or Clinical

III.C.2. Master's

Masters Thesis Committee Member - UMD, College of Information Studies

Sebescen, Nina; Securing the Human – Exploring Current Security Awareness among Employees and Finding Ways to Improve it in the Organizational Setting (2015)

Faculty supervisor

INFM736 - Information Management Team Experience projects (2007-2011)

INFM737 - Solving Problems in Information Management projects (2007-2011)

III.C.3.Doctoral

Doctoral Dissertation Committee Member - UMD, College of Information Studies

Matteson, Miriam; The Impact of Group Interaction on Shared Cognition: An Analysis of Small Group Communication (2009)

Kim, Soojung; The Effect of Users' Work Tasks on Librarians' Database Selection (2007)

Verdines, Patricia; Communication structures in computer-supported cooperative learning (CSCL) environments for adult learners in distance education (2006)

Wang, Jianqiang; Matching Meaning for Cross-Language Information Retrieval (2005)

Doctoral Dissertation Committee Member - UMD, College of Education,

Yilmazel-Sahin, Yesim; Teacher Education Students' Perceptions of Use of MS Powerpoint And The Value Of Accompanying Handouts (2007)

Caples, Robert; The Role of Social Presence in Online Communities (2006)

III.H. Other Teaching Activities

III.H.1 Other Courses Taught (2000-2016)

INFM603 - Information technology and Organizational Context
(Eleven in-class sections)

INFM605 - Users and Use Context
(Three in-class sections)

INFM612 - Management of Information Programs and Services
(One in-class section)

INFM613 - Systems Analysis and Design
(Two in-class sections)

INFM718A - Information for Decision Making
(Seven in-class and online sections)

INFM718J - Communities of Practice/Online Communities (Co-Instructor)
(One in-class section)

INFM736 - Information Management Team Experience
(Three sections)

INFM737 - Solving Problems in Information Management
(Four sections)

LBSC635 - Management and Administration for the Information Professional
(One in-class section)

LBSC690 - Information Technology
(One blended/hybrid section)

COMM498F - Groupwork : How to Make Groups Work (Co-Instructor)
(One in-class section)

Introduction to Programming with Java
(One in-class section) University at Albany, SUNY

Fundamentals of Information Management
in Public Administration (Co-Instructor) University at Albany, SUNY
(One in-class section)

Data, Models and Decisions I (Co-Instructor) University at Albany, SUNY
(One in-class section)

Technology Tools for Information Management
(Special audience course; One in-class section) NY State Education Dept.
College at Work Program

III.I Teaching Awards

Students' Choice Faculty Award (College of Information Studies - Class of 2013)

IV. SERVICE AND OUTREACH

IV.A. Editorships, Editorial Boards, and Reviewing Activities

IV.A.1. Editorships

Proceedings (Co-Editor)

Proceedings of the 21st International Conference of the System Dynamics Society, (with Robert L. Eberlein, Robin S. Langer and Jennifer I. Rowe), New York, NY, July 20-24, 2003, (ISBN: 0-9672914-8-8).
(<https://systemdynamics.org/past-conferences/>)

Proceedings of the 20th International Conference of the System Dynamics Society, (with Paal I. Davidsen, Edoardo Mollona, Robin S. Langer and Jennifer I. Rowe), Palermo, Italy, July 27-August 1, 2002, (ISBN: 0-9672914-6-1).
(<https://systemdynamics.org/past-conferences/>)

Proceedings of the 19th International Conference of the System Dynamics Society, (with James H. Hines, Robin S. Langer and Jennifer I. Rowe), Atlanta, GA, July 23-27, 2001, (ISBN: 0-9672914-4-5). (<https://systemdynamics.org/past-conferences/>)

Proceedings of the 15th International System Dynamics Conference,
(with Yaman Barlas and Seckin Polat), Istanbul, Turkey, August 19-22, 1997, (ISBN: 975-518-099-0). (<https://systemdynamics.org/past-conferences/>)

CD Proceedings (Co-Editor)

CD Proceedings of the 21st International Conference of the System Dynamics Society, (with Robert L. Eberlein, Robin S. Langer and Jennifer I. Rowe), New York, NY, July 20-24, 2003, (ISBN: 0-9672914-9-6).

CD Proceedings of the 20th International Conference of the System Dynamics Society, (with Paal I. Davidsen, Edoardo Mollona, Robin S. Langer and Jennifer I. Rowe), Palermo, Italy, July 27-August 1, 2002, (ISBN: 0-9672914-7-X).

CD Proceedings of the 19th International Conference of the System Dynamics Society, (with James H. Hines, Robin S. Langer and Jennifer I. Rowe), Atlanta, GA, July 23-27, 2001, (ISBN: 0-9672914-5-3).

IV.A.3. Reviewing Activities for Journals and Presses

Government Information Quarterly

(http://www.elsevier.com/wps/find/journaldescription.cws_home/620202/description#description)

Socio-Economic Planning Sciences

(http://www.elsevier.com/wps/find/journaldescription.cws_home/317/description#description)

Journal of Computer Mediated Communication

(<http://jcmc.indiana.edu/>)

Decision Sciences Journal

(<https://decisionsciences.org/publications/decision-sciences/>)

International Journal of Information Technology and Decision Making

(<http://www.worldscinet.com/ijitdm/ijitdm.shtml>)

IV.A.4. Reviewing Activities for Agencies and Foundations

NSF ITR Review Panel 2004

(<http://www.nsf.gov/>)

IV.A.5. Reviewing Activities for Conferences

HICSS - Hawaii International Conference on System Sciences

(<http://www.hicss.hawaii.edu/>)

AMCIS - Americas Conference on Information Systems

(<https://aisnet.org/page/AMCISPage>)

IACIS - International Association for Computer Information Systems Conference

(<http://www.iacis.org/conference/conference.php>)

ISDC - International Conference of the System Dynamic Society

(<https://systemdynamics.org/conference/>)

IV.B. Committees, Professional & Campus Service

IV.B.2. Campus Service – College

Chair Human-computer Interaction Program Committee (chair), 2022-

Information Science Program Committee (co-chair), 2020-2022

Undergraduate Program Committee, 2015-2020

iSchool Strategic Planning Committee (co-chair), 2018-2019

Shady Grove Programs Committee, 2011-2015

Professional-track Faculty Annual Review and Merit Pay Comm., 2022

Professional-track Faculty Merit Pay Committee, 2015

Record Preparation Committees (for two Sr. Lecturer promotions), 2021

Member Programs, Courses, Curriculum Committee, 2011-present

IT Advisory Committee, 2015-2019

iSchool PRD Review Task Force, 2019

Undergraduate Program Committee, 2011-2015

Master of Information Management Program Committee, 2011-2015

Master of Library Science Program Committee, 2012- 2015

Professional-track Faculty Merit Pay Committee, 2013-2015

Masters Committee, 2007-2011

Admissions and Academic Standards Committee, 2005-2008

Merit Pay Committee, 2006, 2007

Faculty Search Committees, 2005-2006, 2016-2017, 2019

Staff Search Committees, 2011-2022

Doctoral Committee, 2004-2005

Research and Teaching Support Committee, 2004-2005

IV.B.3. Campus Service – University

Member Undergraduate Program Advisory Council (UPAC), 2016-present

University Career Center, Academic Advisory Committee, 2017-present

Transfer Course Evaluators Workgroup, 2017-2022

UMD Course Evaluation System Advisory Group, 2007-present

Senate Educational Affairs Committee, 2016-2018

Enterprise Learning Mgmt. Sys. Faculty Advisory Committee 2007-2010

IV.B.5. Campus Service – Other

Member Directors of Graduate Programs Forum (DGS), 2022-
Directors of Undergraduate Programs Forum (DUGS), 2017-2022
UMD Student Portfolio Mgmt System Pilot Workgroup, 2018-2019

IV.B.8. Leadership Roles in Meetings and Conferences

22nd Annual UMD Undergraduate Studies Advising Conf. - College Park, MD - 2017
Planning Committee Member

30th International Conference of the System Dynamics Society - St. Gallen, Switzerland
Thread Chair

29th International Conference of the System Dynamics Society - Washington, D.C.
Organization Comm. Member

28th International Conference of the System Dynamics Society - Seoul, Korea
Thread Chair

27th International Conference of the System Dynamics Society - Albuquerque, NM
Thread Chair

26th International Conference of the System Dynamics Society - Athens, Greece
Thread Chair

25th International Conference of the System Dynamics Society - Boston, MA
Thread Chair

24th International Conference of the System Dynamics Society - Nijmegen, Netherlands
Thread Chair

23rd International Conference of the System Dynamics Society - Boston, MA
Stream Organizer

38th Hawai'i International Conference on System Sciences - 2005
Exploring and Modeling Human and Social Dynamics Mini-track
Mini-track Co-chair

21st International Conference of the System Dynamics Society - New York City, NY
Program Manager

20th International Conference of the System Dynamics Society - Palermo, Italy
Program Vice-chair

19th International Conference of the System Dynamics Society - Atlanta, GA
Program Vice-chair

18th International Conference of the System Dynamics Society - Bergen, Norway
Program Advisor

System Dynamics '97 - 15th International System Dynamics Conf. - Istanbul, Turkey
Organization Chair

IV.B.10.Other

Kriton Curi International Symposium on Environmental Management in the Mediterranean Region, Antalya, Turkey (1998)

Webmaster, Mailmaster, announcement activities

ESM '97 - 11th European Simulation Multiconference, Istanbul, Turkey.

Local webmaster, announcement activities

YA/EM '93 - 15th National Congress on Operations Research and Industrial Engineering, Istanbul, Turkey

Technical editing of the proceedings book.