

Milan Velebit, Ph.D.

Clinical Assistant Professor

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Department of Information and Decision Sciences, CBA
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Education

Ph.D., EECS-Computer Science, University of Illinois at Chicago, 1992

Ph.D. Course work, Structural and Materials Engineering, UIC, 1973

M.S., Structural and Materials Engineering, University of Illinois at Chicago, 1970

B.S., Civil and Structural Engineering, University of Illinois, 1965

Courses taught include Undergraduate and Graduate level courses at UIC in Management Information Systems and in Statistics and developed for UI Global Campus:

- Enterprise Application Infrastructure (IDS 517) – developed content as well
- Data Structures and Operating Systems (IDS 401)
- Data Base Systems (IDS 410, 510 and 521)
- Statistics (IDS 270 UIC and GC, 371 and 570) online and onsite

Areas of Interest

- Information Theory, Statistics and Pattern Recognition
- Algorithms, Numerical Methods and Numerically Intensive Computation
- MIS including Languages, Data Structures and Operating Systems
- Knowledge Management and AI Expert Systems
- Finite Element Analysis, Civil and Structural Engineering

Current and past Funded Projects and associated Research

- Documentation for Chicago Police Department CHTIS and CLEAR systems
- Development of a knowledge management system for UIC
- Support development of web based NCA accreditation system for UIC
- CCTS web based researcher system

Background

Broad theoretical and practical background applying computer science, engineering, statistics and numerical analysis techniques to problems in the classroom as well as in industry, including extensive management and consulting experience.

Work Background

- UIC, 1999-present, CBA (IDS) MIS and Statistics.
- 1965-1999 MIS and Structural Engineering

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Publications

- Lu Bozinovich, Arkagud Ramaprasad, Milan Velebit: Interactive Collaboration System for Biomedical Research in a University, submitted to AMIA 2009.
- L. V. Bozinovich, M. Velebit: Knowledge Management System Guide, 2003.
- M. Velebit, L. V. Bozinovich, et al: User's Guides for Chicago Police Department CHRIS and CLEAR Systems, 2001-2003.
- Lon-Mu Liu, M. Velebit and L. Bozinovich: Dynamic Relationship Analysis between the Stock Market and Interest Rates (1995), Proceedings of the American Statistical Association – Business and Economic Section 1995: 286-291.
- W. D. O'Neill and M. Velebit: A Multiple Source Rate Distortion Function Relevant to Economic Markets, 1992.
- M. Velebit: Rate Distortion Functions for Multivariate Continuous Amplitude Sources and Univariate Reproducing Alphabets, Ph.D. Dissertation, 1992.
- M. Velebit, R. S. Schatke and S. G. Citko: Computer Optimization for Curve Alignment. Transportation Engineering Journal of ASCE, 1982.
- T. Belytchko and M. Velebit: Finite Element Method for Elastic Plastic Plates. Engineering Mechanics Division Journal of ASCE, 1972.
- T. Belytchko and M. Velebit: Error Bounds in Elastic-Plastic Finite Element Analysis of Plates. Proceedings of the Conference on Computer-Aided Engineering, University of Waterloo, 1971.
- T. Belytchko and M. Velebit: Finite Element Method for Elastic Plastic Plates, Department of Materials Engineering, University of Illinois at Chicago, 1971.