

**KENNETH PEFKAROS**  
25800 Carlos Bee Boulevard  
Hayward, CA 94542

---

**SUMMARY OF BACKGROUND:** Professional history characterized by a Ph.D. in Applied Mathematics combined with over 40 years of comprehensive and diversified experience in academic, financial and corporate environments serving in administrative, managerial, technical and instructional capacities.

Gained broad exposure and abilities in a wide range of areas encompassing:

- ◆ Training: As a Professor of Computer Information Systems incorporate mathematical modeling and computer experience into classroom lectures and activities to better prepare students for industry.
- ◆ Administration: As a supervisor and Senior Operations Research Analyst possess experience in contract negotiation and licensing, project origination and control and manpower budgeting.
- ◆ Modeling: As a Research Analyst acquired a project-oriented background in financial modeling. Experienced in the development of mathematical models and computer programs as analytic tools for management.
- ◆ Planning: As an Assistant Vice President and member of the Corporate Planning Division provided specialized analytical financial services in support of long and short term planning and investments.

**EDUCATIONAL HISTORY** Ph.D., Applied Mathematics, 1972  
B.S., Mathematics (high honors), 1967  
UNIVERSITY OF DELAWARE, Newark, Delaware  
(Phi Beta Kappa, Pi Mu Epsilon, Sigma Pi Sigma)

**EMPLOYMENT:** **CALIFORNIA STATE UNIVERSITY, HAYWARD**

- 1984-Present
- ◆ Professor, Information Technology Management  
Teach classes in Information Technology Management, Programming, Beginning and Advanced Systems Analysis and Design, Database Management, Object-Oriented Analysis and Design, and Decision Support Systems in the College of Business and Economics and also teach Mathematics in the College of Science and the Community Colleges
  - ◆ Conduct research in operations research and management science,

- ◆ information systems and computer modeling in business
- ◆ Conduct 1/2-day specialized computer workshops for business students
- ◆ Develop tutorial texts for publication
- ◆ Recruit at local junior colleges and high schools
- ◆ Supervise work study students
- ◆ Thesis advisor for Masters Degree candidates
- ◆ Exercise diplomatic, negotiation, analytic and debating skills serving on University-wide, school-wide, and departmental committees such as the 5-Year Computer Planning, Faculty Affairs, Student Awards, Curriculum, Search Committees, and Promotion Tenure and Retention Committees.

1983-Present

**EDUCATIONAL CONSULTANT (Self Employed)**

Offered training and consulting in IFPS (Interactive Financial Planning System) to various corporations in California including Apple Computer, Atlantic Richfield, Pacific Bell, Shugart, Shaklee, FMC, State of California, Federal Home Loan Banks, and EXECUCOM (vendor)

1980-1983

**CHEVRON CORPORATION**

Applications Development Division  
Computer Services Department, San Francisco, California

1981-1983

**Senior Systems Analyst**

- ◆ Evaluated the current state-of-the-arts analytical/financial modeling languages. The report was a detailed study which resulted in top management's purchase of IFPS (Interactive Financial Planning System)
- ◆ Designed and developed a three-day in-house introductory seminar in IFPS for the Exploration and Producing Divisions. Conceived examples and illustrations specialized for the oil industry.
- ◆ Responsible for IFPS coordination of:
  - negotiating and licensing IFPS
  - in-house system support of IFPS
  - acquisition of training and educational materials
  - consulting and technical assistance

1980-1981

**Supervisor, Operations Research Group**

- ◆ Supervised and directed 5 Operations Research Analysts
- ◆ Negotiated a license agreement with Economic Sciences Corporation to use EMS (Economic Modeling System) for the design and development of a corporate financial model
- ◆ Developed and implemented procedures for litigation support
- ◆ Developed and implemented the annual budget
- ◆ Managed computer applications in forecasting, economic evaluation, distribution, and cash flow analysis

1974-1980

**CENTRAL BANK**

Oakland, California

1978-1980

Assistant Vice President and Research Analyst

Corporate Planning Division

- ◆ Developed management support systems providing specialized analytical financial services such as mathematical modeling, financial consulting, computer programming and special assistance to the President and senior management

Project oriented experience included:

- ◆ Development of a mathematical programming model which seeks out optimum allocation of available funds among competing investment options. This model is a mathematical representation of the bank's investment portfolio
- ◆ Development of a computer program representing a financial model for comparing two different bond issues on the basis of their total realized yield over a common period of time. This model develops a method for a common basis of comparison by considering the future value per dollar invested today for each bond
- ◆ Development of a real estate model which determines the most profitable conditions for the bank's warehouse loan portfolio

1974-1978

Assistant Vice President and Trust Officer, Trust Division

- ◆ Responsible for administering of corporate trust accounts, profitability studies, budgets, five-year plans, and quantitative business applications
- ◆ Supervised staff of five who performed tax accounting, audits and reconcilements, profit and loss statements, and management reports
- ◆ Administered all personnel functions of the division

**PRIOR TEACHING**

**EXPERIENCE**

**GOLDEN GATE UNIVERSITY**, San Francisco, California

1983

Lecturer in Information Systems

Taught various courses in Computer Information Systems

1977-1980

**UNIVERSITY OF SAN FRANCISCO**, San Francisco, California

Lecturer in Mathematics, Engineering and Physics

Taught majority of undergraduate Math courses including Differential Equations, Linear Algebra, Mathematical Statistics, Advanced Calculus. Also taught Physics, and Engineering courses

1972-1974

**SHIPPENSBURG UNIVERSITY**, Shippensburg, Pennsylvania

Assistant Professor of Mathematics

Taught pure and applied Mathematics courses at the undergraduate and graduate levels.

1968-1972

**UNIVERSITY OF DELAWARE**, Newark, Delaware

Graduate Teaching Assistant, Research Fellowship  
 Taught and assisted undergraduate classes in Mathematics

**AFFILIATIONS:** American Mathematical Society (AMS)  
 Mathematical Association of America (MAA)  
 Society for Industrial and Applied Mathematics (SIAM)  
 The Institute for Operations Research and the Management Sciences (INFORMS)

**PUBLICATIONS:**

- [1] Mashaw, B. and Pefkaros, K., “Information Technology: The Evolving Dimension of Business”, *Journal of International Business and Economics*, Vol. 13 (4), 2013, 35-42.
- [2] Pefkaros, K. and Lu, X., “Analyzing Data Layout to Improve the Performance of a Video-On-Demand File Server” *California Journal of Operations Management*, Vol. 6 (1), 2008, 33-40.
- [3] Pefkaros, K., “Using Object-Oriented Analysis and Design Over Traditional Structured Analysis and Design”, *International Journal of Business Research*, Vol. 8 (2), 2008, 219-227.
- [4] Pefkaros, K., “Using Control Charts in Accounting Cases: A Pedagogical Note”, *Review of Business Research*, Vol. VII (6), 2007, 148-152.
- [5] Pefkaros, K., Object-Oriented Analysis and Design, textbook, Bridge Learning Systems, Inc., 2003.
- [6] Pefkaros, K., Computer Information Systems in Management, Reader, Sixth Edition, Bridge Learning Systems, Inc, 2003.
- [7] Pefkaros, K., Systems Analysis and Design I, Reader, Fifth Edition, Bridge Learning Systems, Inc. 2003.
- [8] Mashaw, B. and Pefkaros, K., “Finding the Critical Success Factors in Distance Learning”, *Proceedings of the Information Systems Education Conference*, Philadelphia, PA, November, 2000.
- [9] Pefkaros, K., Advanced Computer Information Systems Concepts, Reader, Bridge Learning Systems Inc., 2000.
- [10] Pefkaros, K., “The Pedagogical Aspects of Teaching Object-Oriented Analysis and Design”, *Proceeding of the Micro Focus User Conference*, Las Vegas, NV, June, 1999.
- [11] Pefkaros, K., Analysis of Information Systems, Reader, Bridge Learning Systems, Inc., 1999.
- [12] Pefkaros, K., Decision Support and Expert Systems, Reader, Bridge Learning Systems, Inc., 1999.
- [13] Pefkaros, K. “A Linear Programming Model of a Bank’s Short-Term Investment Portfolio”, *Journal of Computer Information Systems*, 1988.