

# Publications by Dr. Kornel Terplan

## 1. Books

1. A termelésirányítás modulrendszer - Modular systems of production control (Hungarian), Közgazdasági es Jogi Könyvkiadó, Budapest, 1974 (Hungary)  
Co-Author: Aurél Hajtó
2. Leistungsfähigkeit der Datenverarbeitung - Performance of data processing (German), Verlag Dokumentation, München, 1977 (Germany)
3. Leistungsoptimierung von Computersystemen und Rechnernetzen - Performance optimization of computer systems and computer networks (German), Expert Verlag, Grafenau, 1982 (Germany)
4. Communication Networks Management, Prentice Hall, Englewood Cliffs, 1987 (USA)
5. Kommunikationsnetze - Planung, Organisation, Betrieb - Communication networks Planning, Organization, Operations (German), Hanser and Prentice Verlag, München, 1989 (Germany)
6. LAN Management - Funktionen, Instrumente, Perspektiven - LAN Management Functions, Instruments, Directions (German), Datacom Verlag, Bergheim, 1991 (Germany)  
Co-Author: Christian Voigt
7. Communication Networks Management, Second Edition, Prentice Hall, Englewood Cliffs, 1992 (USA)
8. Effective Management of Local Area Networks, McGraw-Hill, New York, 1992 (USA)
9. Effective Management of LANs (Japanese), UNI Agency, Inc., Tokyo, 1994 (Japan)
10. Applications for Distributed Systems and Network Management, Van Nostrand Reinhold, International Thomson Publishing Inc., New York, 1994 (USA)  
Co-Author: Jill Huntington-Lee
11. Benchmarking for Effective Network Management, McGraw-Hill, New York, 1995 (USA)
12. Client/Server Management, Datacom Verlag (in German), Bergheim, 1995 (Germany)
13. Lokális hálózatok menedzselése (Management of local area networks) (in Hungarian), McGraw-Hill and Panem, Budapest (Hungary), 1996
14. Effective Management of Local Area Networks, Second Edition, McGraw-Hill, New York, 1996 (USA)

15. Remote Monitoring, International Thomson Publishing, (in German), Bonn, 1997  
(Germany)
16. HP Open View, McGraw-Hill, New York, 1996 (USA)  
Co-Authors: Jill Huntington-Lee and Jeff Gibson
17. Telecom Operations Management Solutions with NetExpert,; CRC Press, Boca Raton,  
USA, 1998
18. Network Design – Management and Technical Principles, CRC Press, Boca Raton, USA,  
1998  
Co-Author: Teresa C. Mann-Rubinson
19. Web based Systems and Network Management; CRC Press, Boca Raton, USA, 1999
20. Intranet Performance Management; CRC Press, Boca Raton, USA, 2000
21. The Telecommunications Handbook - Editor in Chief; CRC Press, Boca Raton, USA,  
2000  
Co-Author: Patricia Morreale
22. The CRC Handbook of Modern Telecommunications - Editor in Chief; CRC Press, Boca  
Raton, USA, 2000  
Co-Author: Patricia Morreale
23. OSS Essentials - Support System Solutions for Service Providers, John Wiley & Sons,  
New York, USA, 2001
24. Electronic Bill Presentment and Payment, CRC Press, Boca Raton, USA, 2003
25. Intelligent Support Systems – Technologies for Lawful Intercepts, Auerbach Publications,  
Boca Raton, USA, 2006  
Co-Author: Paul Hoffmann
26. CRC Handbook of Modern Telecommunications – Second Edition, CRC Press – Taylor &  
Francis Group, Boca Raton, USA 2009  
Co-Editor: Patricia Morreale
27. Cloud Computing, Verlagsgruppe Hüthig Jehle Rehm GmbH, Heidelberg, München,  
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Co-Author: Christian Voigt

## **2. Articles**

### **1972**

Optimal prevention and correction of disturbances in manufacturing processes, *Gép XXIV* (1972) 4, p. 133-136 (Hungarian)

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Determining optimal technological alternatives using dynamic programming, Conference for Operations Research, Pécs (Hungary), 1972 (Hungarian), Conference Proceedings, p. 357-361

Optimal control of disturbances; *COMPCONTROL 72*, International Scientific Conference, Sopron (Hungary), 1972 (Hungarian and German), Conference Proceedings, Vol. 2, p. 45-51

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### **1973**

Process control in industrial applications, *Gép XXV* (1973) 2, p. 71-77 (Hungarian)

Industrial use of process control, *Automatizálás 5* (1973), 3, p.10-16 (Hungarian)

Computer aided control of disturbances in manufacturing processes, *Zeitschrift für wirtschaftliche Fertigung*, Haufe Verlag, 68 (1973) 3, p. 137-142 (German)

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### **1974**

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Reliability of operative production programs, *Minőség és Megbízhatóság*, 8 (1974) 2, p. 152-156 (Hungarian)

Maintenance by simulation, Scientific Conference on Maintenance Control, Budapest (Hungary), April 1974. Conference Proceedings, Vol. 2, p. 163-171 (Hungarian)

Reporting on performance control techniques, The European Computing Congress, London, May 1974, Conference Proceedings, p. 379-394

The use of state-space method for describing and optimizing technological processes, Messen-Steuern-Regeln, Berlin (Germany), 17 (1974) Number 7, p. 247-250 and Number 12, p. 422-424 (German) - Co-Author: D. Vermes

The future of data processing in the field of production control, COMPCONTROL 74, International Scientific Conference, Szeged (Hungary), June 1974, Conference Proceedings, Vol. 2, p.35-49 (Hungarian and German)

Computer-aided quality control of electronic components, Mérés és Automatika, XXII (1974), Vol. 9, p. 357-360 (Hungarian)

Optimal disturbances control within Management Information Systems, IFIP 74 Conference, Stockholm (Sweden), Conference Proceedings, Vol.: Systems for Management and Administration, p. 1092-1095

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## **1975**

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## **1976**

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Workload representation in mixed computer environments, Computer Performance Evaluation Conference, London, September 1976, Conference Proceedings, p. 389-403

Use of monitors in the software development, ONLINE - Zeitschrift für Datenverarbeitung, 14 (1976), Number 12, p. 792-797 (German)

## **1977**

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On the performance of virtual memory computer systems, *Angewandte Informatik - Applied Informatics*, 19 (1977) 5, p. 193-201 (German)

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## **1978**

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## **1979**

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## **1981**

Leistungsmessung in Rechenzentren - Messung, Modellierung und Bewertung von Rechnersystemen (Performance measurement in computer networks - measuring, modeling and evaluating computer systems), Informatik Fachberichte, Springer Verlag, 1981, p. 1-13  
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## **1982**

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## **1983**

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## **1984**

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## **1986**

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## **1987**

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## **1988**

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## **1989**

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## **1990**

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### **1991**

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### **1992**

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## **1994**

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## **1996**

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## **2000**

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## **2002**

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### **3. Conference Papers**

#### **1972**

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Determining optimal technological alternatives using dynamic programming, Conference for Operations Research, Pécs (Hungary), 1972 (Hungarian)

Optimal control of disturbances; COMPCONTROL 72, International Scientific Conference, Sopron (Hungary), 1972 (Hungarian)

#### **1973**

Operational Research and Production Control, Mathematics Society "János Neumann", Budapest (Hungary), April 1973 (Hungarian)

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#### **1974**

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#### **1975**

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Measurements for improving reliability, ACM Computer Science Conference, Washington, D.C., February 18-20, 1975

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## **1976**

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Real-time workload characterization and representativeness, SOCOCO Conference, Tallin (Soviet Union), May 1976

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## **1977**

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Applicability of hardware monitors, Technical University Wien (Austria), ÖCC Arbeitskreis, April 1979 (German)

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## **1980**

How to avoid performance reporting drawbacks; International Conference on Computer Capacity Management, San Francisco, April 1980

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User satisfaction and teleprocessing, International Conference on Applied Systems Research and Cybernetics, Acapulco (Mexico), December 1980

Performance Measurement in Computer Networks - Measurement, Modeling and Evaluation of Computer systems, Gesellschaft for Informatik Symposium, Jülich (Germany), December 1980 (German)

## **1981**

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Organizing a network administration center, CMG XII, New Orleans, USA, December 1981,

## **1982**

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## **1984**

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### **1987**

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### **1990**

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### **1992**

Management von heterogenen lokalen Netzen (Management of heterogeneous local networks), Symposium Aktuelle 92, Netzwerkmanagement offener Systeme, IBM, Königswinter, Germany, 1992

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### **1993**

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### **1994**

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### **1995**

Planning and deployment of an efficient management infrastructure for networks and systems IIR - Praxis Workshop, München (Germany), February 1995

Telecom Security Management in Client/Server Systems, Disaster Recovery Telecommunications, Boston, March 1995

Client/Server structures - market trends, CE-CMG Königswinter (Germany), May 1995 (German)

Impacts of client/server applications on the network architecture of the enterprise, Bay Networks Seminar, Zürich (Switzerland), September 1995 (German)

Improving the monitoring of your network management system through the implementation of effective benchmarking, Integrated Services and Network Management Seminar, IIR Limited, London, November 1995

### **1996**



Zukunftsplattformen und Lösungsansätze für ein integriertes Systemmanagement (Future platforms and solutions for an integrated systems management), RZ Leiter Forum, 1996, München

Internetworking: WAN & LAN performance management and capacity planning, Demand Technology Annual Conference, Orlando (USA), April 1996

Innovative Network Management, Keynote Speech, ICAT96, Seoul, South Korea, November 1996

CMG Travemünde

Development of the information technology: collecting and evaluating new costs components, IIR Austria, Wien (Austria), December 1996 (German)

## **1997**

Solutions for network management and fail-safe operations - Functions, tools and human resources overview, DITEC Conference, Garmisch-Partenkirchen, February 1997 (German)

IIR-Workshop Wien (Austria), May 1997

Web-based systems and network management, Network Management Conference, Boston, August 1997

## **1998**

## **1999**

## **2000**

Management of Infranets, EC-CMG, Berlin (Germany), 2000 (German)

## **2001**

Managing eCommerce, EC-CMG, Ulm (Germany), 2001 (German)

## **4. Seminars and Tutorials**

### **Institute of Software Engineering - Reading (England) 1983-1995**

Communication Systems Management (4 days)

Presented in London, Den Haag, Stockholm, München, Paris and Madrid

### **Informatica Limited - South Africa**

Network Management Seminar (3 days) - 1990-1994

### **Logtel Limited - Israel and Santiago (Chile) (1989-1997)**

Network Management Processes and Tools (2 days)

Network Management for Telecommunications Service Providers (2 days)

**IBM Education Center - La Hulpe (Belgium) (1989-1992)**

EMAN910: Managing complex networks (1989)

EMAN720: Bandwidth management (1990)

EMAN720: General network management instrumentation (1990)

EMAN117: Expert systems applicability for network management (1991)

EMAN117: Competitive network management solutions (1991)

EMAN202: Management of local area networks (1992)

**DECollege - München (Germany) (1991-1996)**

Critical success factor of network management (0.5 day)

**AT&T Bridgewater (USA) (1987-1991)**

Effective Network Management - Processes, tools and people (3 days)

Presented in New York, London and Hong Kong

**Datapro - Delran (USA) (1987-1990)**

Network Management Seminar (3 days)

**Institute for Information Management - Sunnyvale (USA) (1987-1988)**

SNA administration and management (3 days)

**TeleStrategies, Incorporated - McLean (USA) - 2002**

Automated Flow-Through Provisioning Tutorial (1 day)

**Euroforum - Düsseldorf (Germany) 1996**

Planung und Aufbau eines effizienten Netzwerk und Systemmanagement (1 day)

Planning and deploying an efficient network and systems management

**Xephon plc - Newbury (England) 1997-2001**

Point products or total integration of systems management?

Web-based systems and network management

Performance management of intranets

Managing eCommerce

**Datacom - Bergheim (Germany) 1985-2000**

LAN Management (2 days)

Management of client/server architectures (2 days)

WAN Management (2 days)

SNA Management (3 days)

SNA Network management (2 days)

Network management audits (1 day)

Systems management (3 days)

Webification of network management (2 days)

Operating principles of network management (2 days)

Operating concepts and tools for telecommunications service providers (5 days)

**Technology Transfer Institute - Santa Monica (USA) 1993**

LAN management processes and tools (2 days)

**Computer Measurement Group Central Europe - Frankfurt (Germany) 1996-1999**

Management of client/server systems (3 days)

## 5. University Classes

### **Budapesti Műszaki Egyetem - Mérnöki Továbbképző Intézet 1993-1996**

Számítógépes hálózatok menedzselése (3 days)

Co-Author: Béla Várkonyi

### **Brooklyn Polytechnic University - New York 1990-1997**

Network Management Processes and Tools

Critical Success Factors of Network Management

Human Resources for Managing Networks

### **Stevens Institute of Technology - Hoboken, New Jersey (USA) 1992-**

Telecommunications Management

Network management and security

### **Monmouth University - New Jersey (USA) 1997-**

Network Management for the US Arme

### **Master Degrees:**

1. Klaus-Dieter Junk: Expert Systems for Network Planning, Fachhochschule München (Germany), 1987
2. Michael Bornstein: SNA parameter tuning using artificial intelligence, Fachhochschule München, 1988
3. Fekete Zoltán - BME, Folyamatszabályozási Tanszék, Budapest, 1996
4. Egyedi Péter - BME, Folyamatszabályozási Tanszék, Budapest, 1996
5. Endre Sára: Interlinking Network Management Platforms to Optimize Operational Efficiency, Stevens Institute of Technology (USA) and Technical University of Budapest, June 1996
6. Fatima Lopez - Gerentia de Contabilidad de los Recursos de una Red de Computadoras, University of Managua (Nicaragua), 1999
7. Gergő Dravec - Főiskola Székesfehérvár (Hungary), 1999

### **Ph.D.:**

1. Endre Sára - Variable Bit rate Video Traffic Modeling in ATM Networks, Stevens Institute of Technology - Electrical Engineering Faculty (USA), 1999
2. Floris van de Broek - Management of International Networks - University Delft (Holland), September 21, 1999

## 6. Editorial Advisory Board Memberships:

Journal of Network and Systems Management, Plenum Publishing Company, New York (USA)

Journal of Capacity Management, Institute of Information Management, Sunnyvale (USA)

Computer Communications, Butterworth Publisher, Berkshire, United Kingdom