

List of Acronyms

ABAP/4 – Advance Business Application Programming, a development workbench in SAP R/4

AOL – America Online
 API – Application Programming Interface
 ARPANET – Advanced Research Project Agency Network
 ASM – Application Server Middleware
 ASP – Active Server Pages
 ASP – Application Services Provider
 A2A – Application to Application
 ATM – Automatic Teller Machine

BAPI – Business Application Programming Interface

BBS – Bulletin Board System
 B-ISDN – Broad-band Integrated Services Digital Network
 BIS – Business Information System
 BOMP – Bill of Material Processor
 BPI – Business Process Integration
 BPR – Business Process Reengineering
 B2B – Business to Business
 B2C – Business to Consumer

CAD – Computer Aided Design

CADD – Computer Aided Drafting and Design
 CAE – Computer Aided Engineering
 CAM – Computer Aided Manufacturing
 CAPP – Computer Aided Process Planning
 CASE – Computer Aided Software Engineering
 CBD – Component Base Development
 CEO – Chief Executive Officer
 CFO – Chief Financial Officer
 CGI – Common Gateway Interface
 CIM – Computer Integrated Manufacturing
 CIO – Chief Information Officer

CIS – Computer Information System

CKO – Chief Knowledge Officer

CLR – Common Language Runtime

COBRA – Common Object Broker Request Architecture

COM – Component Object Module

COO – Chief Operations Officer

CRM – Customer Relationship Management

CRP – Capacity Requirements Planning

CTO – Chief Technology Officer

CTS – Common Type System

C2C – Consumer to Consumer

DBM – DataBase Middleware

DBMS – DataBase Management System

DCE – Distributed Computing Environment

DCM – Distributed Component Middleware

DCOM – Distributed Component Object Model

DD – Data Dictionary

DDE – Dynamic Data Exchange

DDI – Dynamic Invocation Interface

DDL – Data Description Language

DES – Data Encryption Standard

DML – Data Manipulation Language

e-DMS – electronic-Documents Management System

DNA – Distributed Network Architecture

DOS – Disk Operating System

DRAM – Dynamic Random-Access Memory

DSI – Dynamic Skeleton Interface

DSS – Decision Support System

DWH – Data Warehouse

EAI – Enterprise Applications Integration

EBPP – Electronic Bill Presentation and Payment

EC – Electronic Commerce

EDI – Electronic Data Interexchange
 EFT – Electronic Fund Transfer
 EFTS – Electronic Fund Transfer System
 EII – Enterprise Information Infrastructure
 EIP – Enterprise Information Portal
 EIS – Enterprise Information System
 EJB – Enterprise Java Beans
 EPM – Enterprise Performance Management
 ERC – Enterprise Computing
 ERP – Enterprise Resource Planning
 EUC – End User Computing
 EXS – Expert System

GAN – Global Area Network

GDSS – Group Decision Support System
 GII – Global Information Infrastructure
 GIS – Geographic Information System
 GNP – Gross National Product
 GUI – Graphic User Interface

HBA – Hybrid Applications

HDML – HyperText Device Markup Language
 HPC – Handheld Personal Computer
 HR – Human Resources
 HTML – HyperText Markup Language
 cHTML – Cellular Phone HyperText Markup Language
 HTTP – HyperText Transfer Protocol

IDL – Interface Definition Language

IIOIP – Internet Inter-ORB Protocol
 IIS – Internet Information Server
 IPO – Initial Public Offering
 IR – Interface Repository
 IRM – Information Resource Management
 IS – Information System
 ISDN – Integrated Services Digital Network
 ISP – Internet Service Provider
 IT – Information Technology
 ITIM – Information Technology Integration Management
 ITS – Inter-organizational System
 IXI – Interexchange Carriers-long distance

JAD – Joint Application Development

JIT – Just-in-Time
 J2EE – Java 2 Enterprise Edition
 JVM – Java Virtual Machine

KMS – Knowledge Management System

LAN – Local Area Network

LATA – Local Area Telecommunication Access
 LDAP – Lightweight Directory Access Protocol
 LII – Local Information Infrastructure
 LPC – Local Procedure Call
 LSM – Legacy Systems Management

MAN – Metropolitan Area Network

MCE – Media Communicated Enterprise
 MIS – Management Information System
 MNC – Multi National Corporation
 MNE – Multi National Enterprise
 MOM – Message Oriented Middleware
 MRP I – Material Requirements Planning
 MRP II – Manufacturing Resources Planning
 MSN – Microsoft Network
 MVS – Memory Virtual System

NC – Network Computer

NII – National Information Infrastructure
 N-ISDN – Narrow-band Integrated Services Digital Network

OA – Object Adapters

OAGI – Open Application Group Inc.
 OCA – Oracle Cooperative Applications
 OEM – Original Equipment Manufacturer
 OIS – Operation Information System
 OLAP – Online Analytical Processing
 OLE – Object Linking and Embedding
 OLTP – Online Transactions Processing
 OMG – Object Management Architecture
 ORB – Object Request Broker

PBX – Private Branch Exchange

PCS – Pocket-size Telephones
 PCS – Personal Communication System
 PDA – Personal Digital Assistant
 PIM – Personal Information Manager
 PIS – Product Information System
 POA – Portable Object Adapter
 POS – Point of Sale

QR – Quick Response

RAD – Rapid Application Development

RDBMS – Relational DataBase Management System
 RIS – Regular-manual Information System

RMI – Remote Method Interaction
 ROI – Return on Investment
 RPC – Remote Procedure Call

SAP – *Systeme Anwendung Produkte*

SCC – Specialized Common Carrier
 SCM – Supply Chain Management
 SIG – Special Interest Group
 SIS – Strategic Information System
 SOAP – Simple Object Access Protocol
 SQL – Sequential Query Language

**TCP/IP – Transmission Control Protocol/
 Internet Protocol**

TNC – Trans-National Corporation
 TPM – Transaction Processing Middleware
 TPS – Transaction Processing System

**UDDI – Universal Description and Discovery
 Integration**

UI – User Interface
 UML – Universal Modeling Language
 U2A – User to Application

VM – Virtual Memory

VMS – Virtual Memory System
 VAN – Value Added Network

WAIS – Wide Area Information Services

WAN – Wide Area Network
 WAP – Wireless Application Protocol
 WFS – Workflow System
 WIP – Work in Progress
 WML – Wireless Markup Language
 WSDL – Web Service Definition Language
 WWW – World Wide Web

XML – eXtensible Markup Language

About the Authors

Andrew Targowski is a professor of computer information systems at Western Michigan University, USA, and chairman of the Advisory Council of the Information Resource Management Association. He published one of the first books on enterprise systems architecture — *The Architecture and Planning of Enterprise-wide IM Systems* (1990) and on information infrastructures - *Global Information Infrastructure* (1996) and *Enterprise Information Infrastructure* (1999). He is a pioneer of the information superhighway concept (INFOSTRADA, Poland 1972) and he developed the awarded digital city website (www.telecity.org) for Kalamazoo in 1997.



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