The Architecture of an Information Portal for Telecommunications

ftw.
Forschungszentrum
Telekommunikation
Wien

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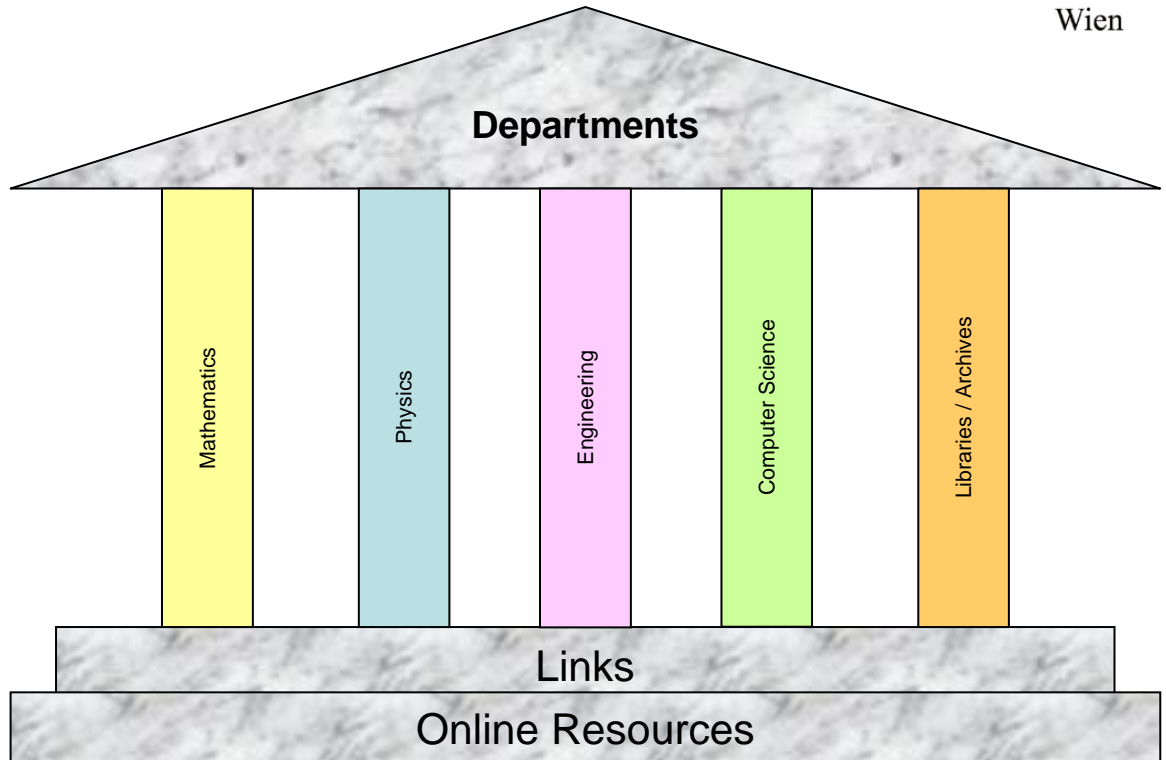
Classification schemes

MathNet	PhysNet
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MSC Mathematical Subject Classification

94-xx Information and communication, circuits
94Axx Information and communication
  94A05 Communication theory
  94A08 Image processing (compression, reconstruction, etc.)
  94A11 Application of orthogonal functions in communication
  94A12 Signal theory (characterization, reconstruction, etc.)
  94A13 Detection theory
  94A14 Modulation and demodulation
  94A15 Information theory, general
  94A17 Measures of information, entropy
  94A20 Sampling theory
  94A24 Coding theorems (Shannon theory)
  94A29 Source coding
  94A34 Rate-distortion theory
  94A40 Channel models
  94A45 Prefix, length-variable, comma-free codes
  94A55 Shift register sequences and sequences over finite alphabets
  94A60 Cryptography
  94A62 Authentication and secret sharing

94Bxx Theory of error-correcting codes and error-detecting codes
94Cxx Circuits, networks

PACS Physics and Astronomy Classifications Scheme

01.20.+x Communication forms and techniques (written, oral, electronic, etc.)
02.05.-r Probability theory, stochastic processes, and statistics

84.40.Az Waveguides, transmission lines, striplines
84.40.Ba Antennas: theory, components and accessories
84.40.Ua Telecommunications: signal transmission and processing; communication satellites
84.40.Xb Telemetry: remote control, remote sensing; radar
89.70.+c Information Science

ACM Computing Classification Scheme

B.4 Input / Output and Data Communications
C.2 Computer-Communication Networks
  C.2.1 Network Architecture and Design
C.4 Performance of Systems
D.4 Operating Systems
  D.4.4 Communications Management
  D.4.6 Security and Protection
E.4 Coding and Information Theory
H.3 Information Storage and Retrieval
J .2 Physical Scienes and Engineering

IPC International Patent Classification

H 03   Basic electronic Circuitry
H 03 B   Generation of Oscillations, Directly or by Frequency-Changing, by Circuits Employing Active Elements which operate in a non-switching Manner; Generation of Noise by such Circuits
H 03 C   Modulation
H 03 D   Demodulation or Transference of Modulation from one Carrier to another
H 03 F   Amplifiers
H 03 G   Control of Amplification
H 03 H   Impedance Networks, e.g. Resonant Circuits; Resonators
H 03 J   Tunnin Resonant Circuits; Selecting Resonent Circuits
H 03 K   Pulse Technique
H 03 L   Automatic Control, Starting, Synchronisation, or Stabilesation of Generators of Electronic Oscillations or Pulses
H 03 M   Coding, Decoding or Code Conversion, in general

H 04   Electric Communication Technique
H 04 B   Transmission
H 04 H   Broadcast Communication
H 04 J   Multiplex Communication
H 04 K   Secret Communication; Jamming of Communication
H 04 L   Tranmission of Digital Information
H 04 M   Telephonic Communocation
H 04 N   Pictorial Communication
H 04 Q   Selecting

DDC (America) Dewey Decimal Classification	**UDK** (Europe) Internationale Universale Dezimalkl.
003.5 theory of communication and control	
003.54 information theory	
004 Data processing Computer science	004 Computer Science
500 Natural sciences & mathematics	500 Mathematical and Natural Science
510 Mathematics	510 Mathematics
530 Physics	530 Physics
600 Technology (Applied sciences)	600 Applied Sciences. Medicine. Technology
620 Engineering / allied operations	620 Engineering, Technology in general
621 Applied physics	621.3 Electrical engineering
	621.38 Electronics
	654 Telecommunications

Kplus
Kompetenzzentren-Programm