

Forschungszentrum Telekommunikation Wien
[Telecommunications Research Center Vienna]

A Telecom Portal as a CRIS

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Research Information Portal for Telecommunications

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ftw.
upload 5/2001
update 6/2002

Thanks to my colleagues

**Welcome
to an
Academic Service**

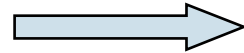
meta data
keywords

Categories



home

research institutes
documents / infos



Departments and ongoing projects sorted by country
Publications sorted by country



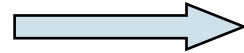
white papers, journals / online archives,
other resources

Standards



Forums, Organizations, classifications

definitions



terminology

conferences



Relevant events sorted by topic and date

provider



list inter/national

legal



Authorities and acts sorted by country

related



Ministries and close by

(search)



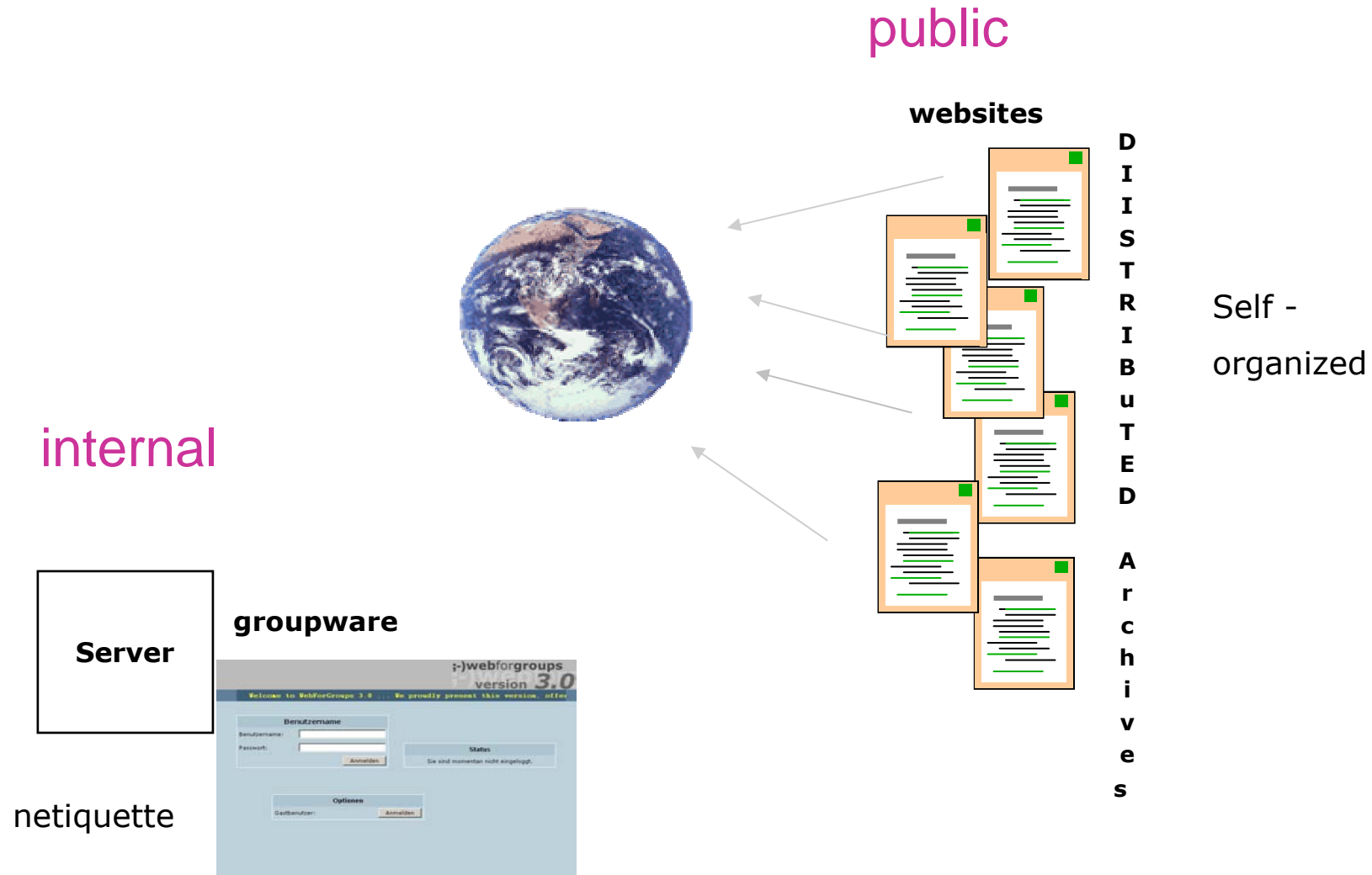
not yet implemented

email

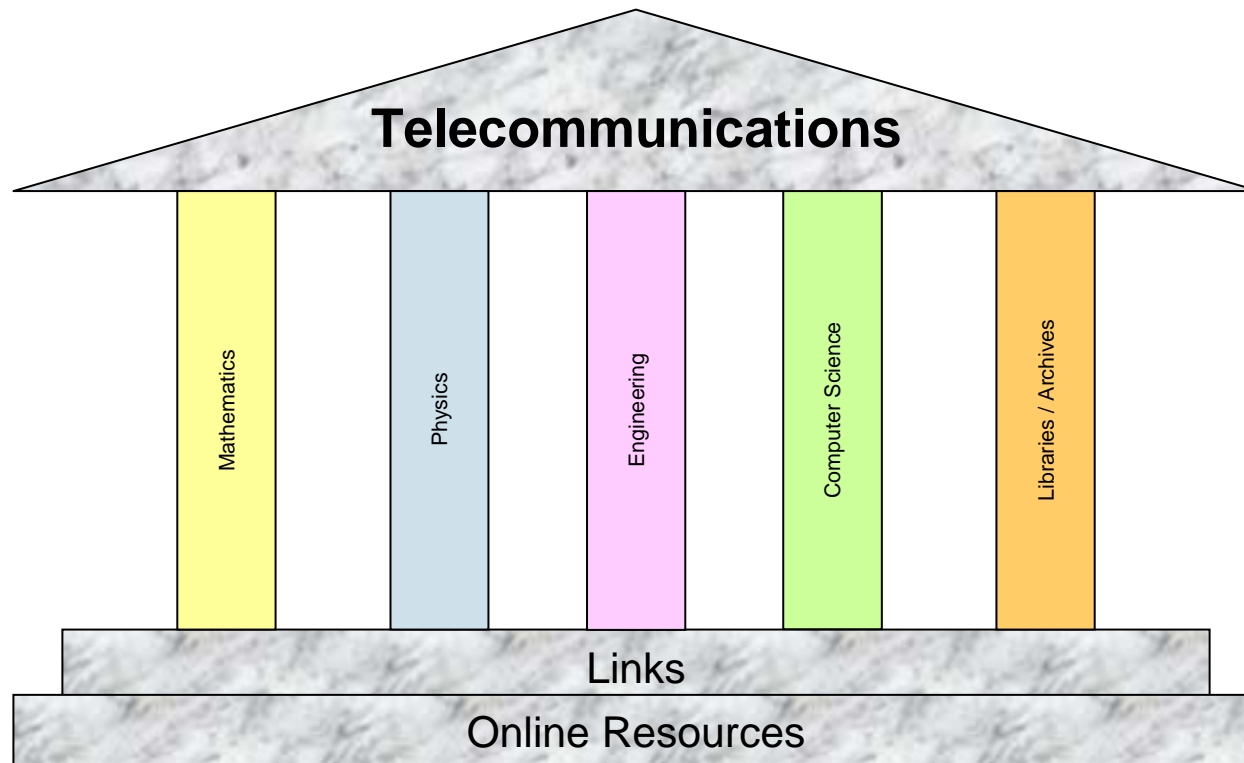


Contact

System local <-> worldwide



Interdisciplinarity



Online Archives



- CiteSeer
Computer Sciences <http://researchindex.org/>
500.000 docs
- IEEE Xplore
Engineering <http://ieeexplore.ieee.org/>
762.000 docs
- MPRESS
Mathematics <http://mathnet.preprints.org/>
51.000 docs
- arXiv.org <http://www.arxiv.org/>
Physics, Mathematics,
Nonlinear Sciences
and Computer Science 194.000 docs
date 4/2002

Classification Schemes



<p>DDC (America) Dewey Decimal Classification</p> <p>003.5 theory of communication and control 003.54 information theory 004 Data processing Computer science 500 Natural sciences & mathematics Science</p> <p>510 Mathematics 530 Physics 600 Technology (Applied sciences) Technology 620 Engineering / allied operations 621 Applied physics</p>	<p>UDK (Europe) Internationale Universale Dezimalkl.</p> <p>004 Computer Science 500 Mathematical and Natural Science</p> <p>510 Mathematics 530 Physics 600 Applied Sciences. Medicine. Technology 620 Engineering, Technology in general 621.3 Electrical engineering 621.38 Electronics 654 Telecommunications</p>	<p>IPC International Patent Classification</p> <p>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</p> <p>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 Transmission of Digital Information H 04 M Telephonic Communocation H 04 N Pictorial Communication H 04 Q Selecting</p>
<p>ACM Computing Classification Scheme</p> <p>B.4 Input / Output and Data Communications</p> <p>C.2 Computer-Communication Networks C.2.1 Network Architecture and Design C.4 Performance of Systems</p> <p>D.4 Operating Systems D.4.4 Communications Management D.4.6 Security and Protection</p> <p>E.4 Coding and Information Theory H.3 Information Storage and Retrieval J .2 Physical Scienses and Engineering</p>		

MSC	Mathematical Subject Classification
94-XX	Information and communication, circuits
94Axx	Communication, information
94A05	Communication theory
94A08	Image processing (compression, reconstruction, tec.)
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
94A50	Theory of questionnaires
94A55	Shift register sequences and sequences over finite alphabets
94A60	Cryptography
94A62	Authentication and secret sharing
94A99	None of the above, but in this section
94Bxx	Theory of error-correcting codes and error-detecting codes
94B05	Linear codes, general
94B10	Convolutional codes
94B12	Combined modulation schemes (including trellis codes)
94B15	Cyclic codes
94B20	Burst-correcting codes
94B25	Combinatorial codes
94B30	Majority codes
94B35	Decoding
94B40	Arithmetic codes
94B50	Synchronization error-correcting codes
94B60	Other types of codes
94B65	Bounds on codes
94B70	Error probability
94B75	Applications of the theory of convex sets and geometry of numbers (covering radius, etc.)
94B99	None of the above, but in this section
94Cxx	Circuits, networks
94C05	Analytic circuit theory
94C10	Switching theory, application of Boolean algebra; Boolean functions
94C12	Fault detection; testing
94C15	Applications of graph theory
94C30	Applications of design theory
94C99	None of the above, but in this section

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

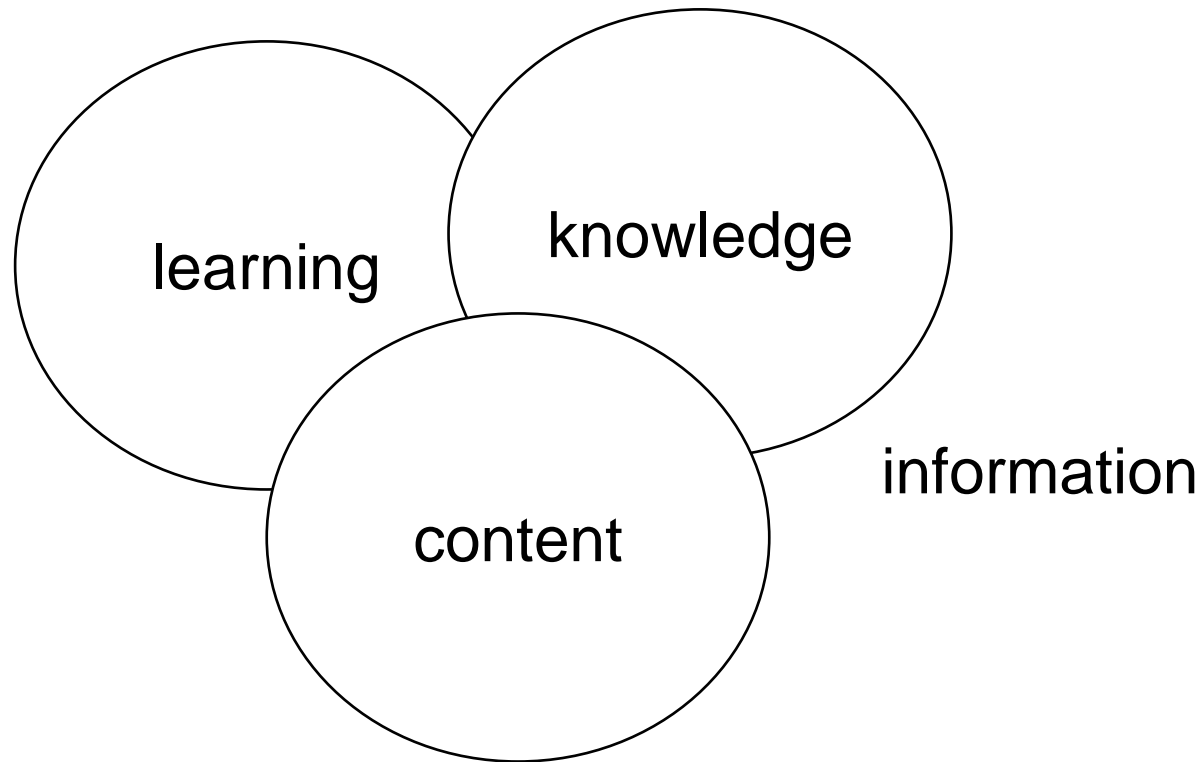
84.40.Ba Antennas: theory, components and accessories

84.40.Ua Telecommunications: signal transmission and processing; communication satellites

84.40.Xb Telemetry: remote control, remote sensing; radar

89.70.+c Information Science

Connections between



Comparison of categories



PhysNet 1995 -	MathNet 2002 -	Fachwelt Physik 2002 -	Telecom Portal start 2002
PhysNet	CEIC	Home	home
New	News	News-Services	
Services	Services	Institutions	research institutes
PhysDoc		Documents	documents / infos
PhysDep	Standards	Databases	standards
Upload Form	Tools	People / Experts	
Journals	Documentation	-	definitions
Charter	Charter	-	
Education	-	Studentical Stuff, Learning-Material	-
Conferences	Events	Conferences	conferences
-	Providers	Software	provider
PhysJobs	-	Jobs	-
statistics	Recommendations	Funding	legal
contribute	Membership, Member Associations	Chat / Discussion	
Links	-	Links / Others	related
-	-	Search-Engines	(search)
crew	TAB	AKI	
-	Contact	contact	email
about	About	about	

Visions, Questions, Comments



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