

Assessment of Library Collections

Florida International University

## **Electrical and Computer Engineering**

PhD in Electrical Engineering

M.S. in Computer Engineering

M.S. in Telecommunications and Networking  
(School of Computing & Information Science)

April 16, 2009

This report was prepared by Tony Schwartz, Associate Director for Collection Management, and Patricia Pereira-Pujol, Sciences Librarian.

### **Conference Proceedings**

For the College of Engineering and Computing, FIU has access to the following online series that include full-text conference proceedings: Association for Computing Machinery Digital Library; IEEE/IET Electronic Library; and Springer *Lecture Notes in Computer Science*, which includes subseries *Lecture Notes in Artificial Intelligence* and *Lecture Notes in Bioinformatics*.

### **Journals**

#### Library subscriptions by general count

FIU has 4,129 online journals generally in engineering and computer science, of which 1,009 are in electrical and computer engineering fields and 747 are in computer science fields ([Table 1](#)).

The numbers of print-journal subscriptions for Engineering and Computing is nearly zero as the library has shifted such subscriptions to online access.

The online-journal packages of importance to Engineering and Computing include ACM Digital Library, American Chemical Society, American Institute of Physics, American Mathematical Society, American Physical Society, American Society of Civil Engineers, American Society of Mechanical Engineers, American Statistical Association, Annual Reviews Complete, Berkeley Electronic Press, Blackwell-Synergy, Cambridge STM, EDP Sciences, Elsevier ScienceDirect, Highwire Press, IEEE/IET Electronic Library, InformaWorld, Institute of Physics, Journal@rchive (Japan Science and Technology Agency), JSTOR Arts and Sciences Collections I-IV, National Research Council Canada, Nature, NUMDAM, Oxford, Palgrave Macmillan, Royal Society of Chemistry, SAGE Premier, SpringerLink, and Wiley InterScience.

### Citation-ranked literatures

Electrical and Electronic Engineering: FIU has 152 (77%) of the 198 titles, including 89% (57 of 66) in the top third tier and 90% (119 of 132) in the top two-thirds tier (Table 2). In 2003 FIU had 121 (61%); 36 titles have been added.

FIU's holdings in the seven citation-ranked literatures of Computer Science are in the same overall range:

FIU Holdings of the Computer Science Citation-Ranked Journal Literatures				
	Total # of Titles	# Held by FIU	% Held	Spreads of Holdings of Top-Ranked Titles
Artificial Intelligence	72	50	69%	41 of the top 45
Cybernetics	18	10	56%	6 of the top 9
Hardware & Architecture	45	35	78%	28 of the top 33
Information Systems	77	61	79%	All of the top 14
Interdisciplinary Applications	75	58	77%	16 of the top 21
Software Engineering	75	59	79%	34 of the top 37
Theory & Methods	71	53	75%	39 of the top 46
TOTALS	433	326	75%	

FIU's holdings in Computer Science have the same proportional level collection development. In 2003, the library had 61% (264 of the 433 titles); since then the library has added 62 titles.

### **Main Databases for Electrical and Computer Engineering**

- Computer and Information Systems Abstracts (includes conference proceedings)
- Computer Database
- Electronics and Communications Abstracts (includes conference proceedings)
- INSPEC (includes conference proceedings)
- Solid State and Superconductivity Abstracts (includes conference proceedings)

### **Other Databases in Engineering and Computing**

- ABI Inform
- AGRICOLA (includes conference proceedings)
- ASFA: Aquatic Sciences and Fisheries Abstracts (includes conference proceedings)
- Biological Abstracts (BIOSIS)
- Biological Sciences (includes conference proceedings)
- Biotechnology and Bioengineering Abstracts
- Chemical Abstracts (SciFinder Scholar) (includes conference proceedings)
- Compendex (Engineering Index) (includes conference proceedings)
- Conference Papers Index (conference proceedings, etc.)

- Current Index to Statistics (includes conference proceedings)
- Dissertations & Theses
- Engineering Research Database (contains ANTE: Abstracts in New Technologies and Engineering; includes conference proceedings)
- Engineering Village
- Environmental Sciences and Pollution Management (includes conference proceedings)
- GeoRef
- GreenFILE
- History of Science, Technology, and Medicine
- Materials Research Database with METADEX (includes conference proceedings)
- MathSciNet (includes conference proceedings)
- Mechanical Engineering Abstracts (includes conference proceedings)
- MEDLINE
- MicroPatent Materials Patents
- NTIS (National Technical Information Service)
- Oceanic Abstracts
- PapersFirst (conference proceedings, etc.)
- Plant Science
- Proceedings (conference proceedings, etc.)
- Safety Science and Risk
- Science Citation Index
- TOXLINE

### **Online Series**

- CRC Handbook of Chemistry & Physics
- CRC EngNetBase.

Undergraduate-Level Databases: Academic OneFile, Applied Science and Technology Full Text (includes conference proceedings), Biology Digest, General Science Full Text (includes conference proceedings), and OmniFile Full Text Mega (includes conference proceedings).

### **Books**

The book approval plan has a broad subject parameter to receive all titles on *contemporary social or public policy aspects of science, engineering, and technology*, and all engineering handbooks.

For the PhD and the management programs of the College of Engineering and Computing the library receives through the approval plan advanced academic-level books with notification slips for professional-level books. Such programs include mechanical engineering, general

technology, biomedical engineering, civil engineering, electrical engineering, electronics, and nuclear engineering.

The library relies on notification slips for direct orders for the following (non-PhD) programs: hydraulic engineering, environmental technology, highway engineering, railroad engineering, bridge engineering, motor vehicles, building construction, aeronautics, mining engineering, and chemical technology.

Of the library's approximately 60,000 NetLibrary e-books, eight are on *electrical engineering*; 38 on *computer engineering*; 438 on *engineering*; and 322 on *computer science* generally.

Both campus libraries have expansive budgets for faculty orders of library materials.

### **Faculty-Library Relations**

The College of Engineering and Computing has a Library Committee with 13 members: eight faculty, two associate library directors, the engineering librarian, and the head of access services. It meets at least once a semester, more often when college-wide oversight would be useful for certain projects. For example, the Committee met often in 2008 for a journal review of the PhD program in Material Science, a journal review for Computer Science, and to compile supporting documents for the library's acquisition of the IEEE Electronic Library. In 2009 the Committee completed the review of all other print journals, converting some to online and canceling other titles that were deemed non-essential.

Engineering Library Services at the Engineering Center provides access to many dictionaries, encyclopedias, handbooks and other reference materials relevant to Electrical and Computer Engineering. These include the *Wiley Encyclopedia of Electrical and Electronics Engineering*; *NEC (National Electrical Code) Handbook*; *CRC Handbook of Engineering Tables* (also available online through EngNetBase); *Nanoelectronics and Information Technology: Advanced Electronic Materials and Novel Devices*; *English-Spanish/Spanish English Electrical and Computer Engineering Dictionary*; *Springer Handbook of Robotics*; and *Handbook of Industrial Robotics*.

### **Geographic Information Systems (<http://gislab.fiu.edu/>)**

The Geographic Information Systems Center provides GIS and remote-sensing software, such as ArcGIS desk top, ArcSDE, ArcGIS Server and ERDAS Imagine. Its Maps and Imagery User Services area houses print cartographic materials and provides access to geo-spatial datasets and other digital cartographic materials.

GIS resources of particular relevance to Computer Science include about 1,600 Florida spatial data sets searchable via FTP; about 3,000 Latin American and Caribbean spatial data sets; about 600 East Africa spatial datasets; detailed shore line data of the United States; LandsAT Imagery; complete ESRI maps and data; comprehensive Florida state and county data sets; historical hurricane tracts data; and USGS DLG, DRG, and DEM.

This Center has worked closely with Dr. Rishe and his group at the High Performance Database Center and with Dr. Evangelos Christidis on a number of grant proposals. Of particular interest is the “Ontology-Assisted Information Management, Geo-Visualization and Retrieval Tool for Discipline Specific Knowledge Exploration” proposal submitted to the Institute for Museum and Library Services in 2007.

Table 1: FIU online-journal counts for Engineering and Applied Sciences

- Applied Mathematics (60)
- Applied Physics (88)
- Chemical & Materials Engineering
  - Chemical Engineering (299)
  - Materials Science (130)
- Civil & Environmental Engineering
  - Civil Engineering (259)
  - Environmental Engineering (88)
  - Ocean Engineering (4)
  - Operations Research (58)
  - Transportation Engineering (68)
- Computer Science (747)
- Electrical & Computer Engineering
  - Electrical Engineering (693)
  - Information Technology (61)
  - Telecommunications (255)
- Engineering - General (167)
- Mechanical Engineering
  - Aeronautics Engineering & Astronautics (99)
  - Automotive Engineering (60)
  - Bioengineering (81)
  - Hydraulic Engineering (15)
  - Industrial & Management Engineering (279)
  - Mechanical Engineering - General (193)
  - Metallurgy & Mineralogy (120)
  - Mining Engineering (62)
  - Nuclear Engineering (34)
- Technology - General (209)

Table 2: Citation-ranked Literature of Electrical and Electronic Engineering

FIU's journals in the citation-ranked literature of Electrical and Electronic Engineering			
TITLE	Impact Factor	FIU (blank = YES)	Citation Ranking of Titles Missing in FIU Collection
PROGRESS IN QUANTUM ELECTRONICS	5.000		
IEEE TRANSACTIONS ON MEDICAL IMAGING	3.142		
IEEE-ACM TRANSACTIONS ON NETWORKING	2.606		
IEEE NETWORK	2.538		
IEEE PERSONAL COMMUNICATIONS	2.321		
PROCEEDINGS OF THE IEEE	2.321		
IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE	2.289		
IEEE COMMUNICATIONS MAGAZINE	2.286		
IEEE TRANSACTIONS ON IMAGE PROCESSING	2.185		
IEEE ELECTRON DEVICE LETTERS	2.093		
IEEE JOURNAL OF QUANTUM ELECTRONICS	2.086		
IEEE TRANSACTIONS ON INFORMATION THEORY	2.077		
JOURNAL OF LIGHTWAVE TECHNOLOGY	2.014		
IEEE PHOTONICS TECHNOLOGY LETTERS	2.004		
IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS	1.989		
IEEE SIGNAL PROCESSING MAGAZINE	1.981		
IEEE TRANSACTIONS ON ELECTRON DEVICES	1.910		
JOURNAL OF MICROELECTROMECHANICAL SYSTEMS	1.854		
IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS	1.621		
IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING	1.605		
JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B	1.549		
IEEE TRANSACTIONS ON FUZZY SYSTEMS	1.511		
JOURNAL OF CRYPTOLOGY	1.486	NO	Ranked 23 of 198 in Engineering, Electrical & Electronic, 5 of 71 in Computer Science, Theory & Methods, and 8 of 158 in Mathematics, Applied

IEEE TRANSACTIONS ON NEURAL NETWORKS	1.479		
IEEE TRANSACTIONS ON COMMUNICATIONS	1.466		
AUTOMATICA	1.449		
IEEE TRANSACTIONS ON SOFTWARE ENGINEERING	1.398		
JOURNAL OF ELECTRONIC MATERIALS	1.382	NO	Ranked 28 of 198 in Engineering, Electrical & Electronic and 25 of 170 in Materials Science, Multidisciplinary
JOURNAL OF HIGH SPEED NETWORKS	1.382	NO	Ranked 28 of 198 in Engineering, Electrical & Electronic, 7 of 45 in Computer Science, Hardware & Architecture, 14 of 73 in Computer Science, Information Systems, and 6 of 49 in Telecommunications
IEEE TRANSACTIONS ON ROBOTICS AND AUTOMATION	1.375		
IEEE TRANSACTIONS ON ULTRASONICS FERROELECTRICS AND FREQUENCY CONTROL	1.372		
PATTERN RECOGNITION	1.353		
NETWORK-COMPUTATION IN NEURAL SYSTEMS	1.333	NO	Ranked 33 of 198 in Engineering, Electrical & Electronic, 16 of 72 in Computer Science, Artificial Intelligence, and 125 of 198 in Neurosciences
IEEE JOURNAL OF SOLID-STATE CIRCUITS	1.291		
IEEE TRANSACTIONS ON COMPUTERS	1.286		
IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY	1.278		
IEEE TRANSACTIONS ON SIGNAL PROCESSING	1.268		
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES	1.264		
IEEE TRANSACTIONS ON AUTOMATIC CONTROL	1.222		
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY	1.198		
BELL LABS TECHNICAL JOURNAL	1.175		
MICROSYSTEM TECHNOLOGIES	1.167	NO	Ranked 42 of 198 in Engineering, Electrical & Electronic and 9 of 48 in Instruments & Instrumentation
MATHEMATICS OF CONTROL SIGNALS AND SYSTEMS	1.156	NO	Ranked 43 of 198 in Engineering, Electrical & Electronic, 7 of 47 in Automation & Control Systems, and 17 of 158 in Mathematics, Applied
IEEE CIRCUITS & DEVICES	1.147		
IEEE SPECTRUM	1.145		
IEEE INTELLIGENT SYSTEMS	1.118		

IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS (FORMERLY IEEE MICROWAVE AND GUIDED WAVE LETTERS)	1.104		
SEMICONDUCTOR SCIENCE AND TECHNOLOGY	1.079		
OPTICAL FIBER TECHNOLOGY	1.067		
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION	1.064		
IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING	1.040		
ELECTRONICS LETTERS	0.970		
IEEE TRANSACTIONS ON ADVANCED PACKAGING	0.960		
SOLID-STATE ELECTRONICS	0.950		
IEEE ANTENNAS AND PROPAGATION MAGAZINE	0.930		
SOLID STATE TECHNOLOGY	0.923	NO	Ranked 56 of 198 in Engineering, Electrical & Electronic, 35 of 71 in Physics, Applied, and 30 of 55 in Physics, Condensed Matter
SENSORS AND ACTUATORS A-PHYSICAL	0.917		
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING	0.908		
IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT	0.900		
IMAGE AND VISION COMPUTING	0.893		
IEEE TRANSACTIONS ON MAGNETICS	0.891		
IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY	0.889		
IEEE TRANSACTIONS ON POWER ELECTRONICS	0.860		
IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED SYSTEMS	0.851		
IEEE TRANSACTIONS ON SPEECH AND AUDIO PROCESSING	0.851		
IEEE TRANSACTIONS ON VERY LARGE SCALE INTEGRATION (VLSI) SYSTEMS	0.849		
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS	0.847		
INTERNATIONAL JOURNAL OF ROBUST AND NONLINEAR CONTROL	0.840	NO	Ranked 68 of 198 in Engineering, Electrical & Electronic, 10 of 47 in Automation & Control Systems, and 34 of 158 in Mathematics, Applied
QUANTUM ELECTRONICS	0.789		
IEEE TRANSACTIONS ON AEROSPACE AND ELECTRONIC SYSTEMS	0.783		
WIRELESS NETWORKS	0.783		

IEEE TRANSACTIONS ON COMPUTER-AIDED DESIGN OF INTEGRATED CIRCUITS AND SYSTEMS	0.782		
IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION	0.778		
IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY	0.776		
IEEE TRANSACTIONS ON NUCLEAR SCIENCE	0.771		
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS	0.739		
ADVANCED MATERIALS FOR OPTICS AND ELECTRONICS	0.734		
IEEE JOURNAL OF OCEANIC ENGINEERING	0.727		
JOURNAL OF ELECTRONIC IMAGING	0.723	open access	
OPTICAL AND QUANTUM ELECTRONICS	0.706		
MICROELECTRONIC ENGINEERING	0.705		
IEEE-ASME TRANSACTIONS ON MECHATRONICS	0.696		
JOURNAL OF ELECTROSTATICS	0.695		
INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS	0.694		
IEEE SIGNAL PROCESSING LETTERS	0.679		
IEEE TRANSACTIONS ON SEMICONDUCTOR MANUFACTURING	0.676		
MULTIDIMENSIONAL SYSTEMS AND SIGNAL PROCESSING	0.676	NO	Ranked 86 of 198 in Engineering, Electrical & Electronic and 23 of 71 in Computer Science, Theory & Methods
INTERNATIONAL JOURNAL OF IMAGING SYSTEMS AND TECHNOLOGY	0.675		
APPLIED ARTIFICIAL INTELLIGENCE	0.672		
SIGNAL PROCESSING-IMAGE COMMUNICATION	0.667		
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-FUNDAMENTAL THEORY AND APPLICATIONS	0.642		
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	0.641		
IEE PROCEEDINGS-OPTOELECTRONICS	0.611	NO	Ranked 93 of 198 in Engineering, Electrical & Electronic, 36 of 54 in Optics, and 17 of 49 in Telecommunications
IEE PROCEEDINGS-CONTROL THEORY AND APPLICATIONS	0.601		
SOLDERING & SURFACE MOUNT TECHNOLOGY	0.595		

IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II-ANALOG AND DIGITAL SIGNAL PROCESSING	0.559		
MICROELECTRONICS RELIABILITY	0.548		
CONTROL ENGINEERING PRACTICE	0.531		
IEICE TRANSACTIONS ON ELECTRONICS	0.529		
IEEE TRANSACTIONS ON POWER SYSTEMS	0.519		
IEE PROCEEDINGS-ELECTRIC POWER APPLICATIONS	0.518	NO	Ranked 101 of 198 in Engineering, Electrical & Electronic
DIGITAL SIGNAL PROCESSING	0.512		
INTEGRATED FERROELECTRICS	0.512		
ETRI JOURNAL	0.500	open access	
COMPUTER NETWORKS	0.491		
SIGNAL PROCESSING	0.488		
ELECTROMAGNETICS	0.478		
IEEE TRANSACTIONS ON RELIABILITY	0.477		
JOURNAL OF ELECTRONIC PACKAGING	0.470		
IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY	0.468		
DISPLAYS	0.443		
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	0.423		
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING	0.419		
INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS	0.409		
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS	0.400	NO	Ranked 115 of 198 in Engineering, Electrical & Electronic and 25 of 49 in Telecommunications
IEEE TECHNOLOGY AND SOCIETY MAGAZINE	0.385		
IEE PROCEEDINGS-SCIENCE MEASUREMENT AND TECHNOLOGY	0.376		
IEEE TRANSACTIONS ON BROADCASTING	0.368		
IEEE TRANSACTIONS ON CONSUMER ELECTRONICS	0.367		
INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND KNOWLEDGE ENGINEERING	0.348	NO	Ranked 120 of 198 in Engineering, Electrical & Electronic, 47 of 72 in Computer Science, Artificial Intelligence, and 51 of 75 in Computer Science, Software Engineering
IEEE COMPUTER APPLICATIONS IN POWER	0.346		

IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS COMMUNICATIONS AND COMPUTER SCIENCES	0.346		
IEICE TRANSACTIONS ON COMMUNICATIONS	0.343		
MECHATRONICS	0.337		
MICROELECTRONICS JOURNAL	0.333		
IEE PROCEEDINGS-MICROWAVES ANTENNAS AND PROPAGATION	0.331		
ELECTRONICS & COMMUNICATION ENGINEERING JOURNAL	0.327		
EXPERT SYSTEMS WITH APPLICATIONS	0.321		
IEEE TRANSACTIONS ON ENERGY CONVERSION	0.316		
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE	0.306		
JOURNAL OF VLSI SIGNAL PROCESSING SYSTEMS FOR SIGNAL IMAGE AND VIDEO TECHNOLOGY	0.304		
INTERNATIONAL JOURNAL OF INFRARED AND MILLIMETE WAVES	0.299	NO	Ranked 132 of 198 in Engineering, Electrical & Electronic, 46 of 54 in Optics, and 65 of 71 in Physics, Applied
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS	0.298		
CIRCUITS SYSTEMS AND SIGNAL PROCESSING	0.296	NO	Ranked 134 of 198 in Engineering, Electrical & Electronic
INTERNATIONAL JOURNAL OF ELECTRONICS	0.295		
MICRO	0.292	NO	Ranked 136 of 198 in Engineering, Electrical & Electronic, 129 of 170 in Materials Science, Multidisciplinary, and 52 of 55 in Physics, Condensed Matter
IEE PROCEEDINGS-GENERATION TRANSMISSION AND DISTRIBUTION	0.289	NO	Ranked 137 of 198 in Engineering, Electrical & Electronic
JOURNAL OF ELECTRONICS MANUFACTURING	0.289		
IEEE TRANSACTIONS ON POWER DELIVERY	0.287		
IEE PROCEEDINGS-VISION IMAGE AND SIGNAL PROCESSING	0.282	NO	Ranked 140 of 198 in Engineering, Electrical & Electronic
MICROWAVE JOURNAL	0.265		
IEEE AEROSPACE AND ELECTRONIC SYSTEMS MAGAZINE	0.255		
AEI AUTOMAZIONE ENERGIA INFORMAZIONE	0.250		
MICROPROCESSORS AND MICROSYSTEMS	0.242		

INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING	0.241	NO	Ranked 145 of 198 in Engineering, Electrical & Electronic and 35 of 47 in Automation & Control Systems
MULTIMEDIA TOOLS AND APPLICATIONS	0.234		
MACHINE VISION AND APPLICATIONS	0.227		
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING	0.220	NO	Ranked 148 of 198 in Engineering, Electrical & Electronic and 35 of 45 in Computer Science, Hardware & Architecture
EDN	0.214	NO	Ranked 149 of 198 in Engineering, Electrical & Electronic
IEEE TRANSACTIONS ON EDUCATION	0.214		
IEE PROCEEDINGS-CIRCUITS DEVICES AND SYSTEMS	0.208		
JOURNAL OF ELECTRONIC TESTING	0.196		
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS	0.194		
IEEE ELECTRICAL INSULATION MAGAZINE	0.190		
COMPEL-THE INTERNATIONAL JOURNAL FOR COMPUTATION AND MATHEMATICS IN ELECTRICAL AND ELECTRONIC ENGINEERING	0.188		
JOURNAL OF MICROWAVE POWER AND ELECTROMAGNETIC ENERGY	0.184		
SMPTE JOURNAL	0.184		
VLSI DESIGN	1.800		
INTERNATIONAL JOURNAL OF APPLIED ELECTROMAGNETICS AND MECHANICS	0.176	NO	Ranked 159 of 198 in Engineering, Electrical & Electronic, 90 of 94 in Mechanics, and 69 of 71 in Physics, Applied
BT TECHNOLOGY JOURNAL	0.168		
JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS	0.162	NO	Ranked 161 of 198 in Engineering, Electrical & Electronic and 37 of 49 in Telecommunications
FUJITSU SCIENTIFIC & TECHNICAL JOURNAL	0.153	open access	
IEE PROCEEDINGS-COMMUNICATIONS	0.150	NO	Ranked 163 of 198 in Engineering, Electrical & Electronic
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	0.149		
POWER ENGINEERING JOURNAL	0.131	NO	Ranked 165 of 198 in Engineering, Electrical & Electronic and 51 of 66 in Energy & Fuels
JOURNAL OF SUPERCOMPUTING	0.130	NO	Ranked 166 of 198 in Engineering, Electrical & Electronic, 40 of 45 in Computer Science, Hardware & Architecture, and 64 of 71 in Computer Science, Theory & Method

CANADIAN JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING-REVUE CANADIENNE DE GENIE ELECTRIQUE ET INFORMATIQUE	0.128		
ELECTRIC POWER SYSTEMS RESEARCH	0.128		
ELECTRONICS AND COMMUNICATIONS IN JAPAN PART II-ELECTRONICS	0.113	NO	Ranked 169 of 198 in Engineering, Electrical & Electronic
NEC RESEARCH & DEVELOPMENT	0.109	NO	Ranked 170 of 198 in Engineering, Electrical & Electronic
COMPUTERS & ELECTRICAL ENGINEERING	0.105		
EUROPEAN TRANSACTIONS ON ELECTRICAL POWER	0.101	NO	Ranked 172 of 198 in Engineering, Electrical & Electronic
ELECTRIC POWER COMPONENTS AND SYSTEMS (FORMERLY ELECTRIC MACHINES AND POWER SYSTEMS)	0.096	NO	Ranked 173 of 198 in Engineering, Electrical & Electronic
BRITISH TELECOMMUNICATIONS ENGINEERING	0.092	NO	Ranked 174 of 198 in Engineering, Electrical & Electronic and 40 of 49 in Telecommunications
INFORMACIJE MIDEM-JOURNAL OF MICROELECTRONICS ELECTRONIC COMPONENTS AND MATERIALS	0.091	NO	Ranked 175 of 198 in Engineering, Electrical & Electronic and 162 of 170 in Materials Science, Multidisciplinary
JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS	0.091	NO	Ranked 175 of 198 in Engineering, Electrical & Electronic and 44 of 45 in Computer Science, Hardware & Architecture
ENGINEERING INTELLIGENT SYSTEMS FOR ELECTRICAL ENGINEERING AND COMMUNICATIONS	0.086	NO	Ranked 177 of 198 in Engineering, Electrical & Electronic and 67 of 72 in Computer Science, Artificial Intelligence
ALCATEL TELECOMMUNICATIONS REVIEW	0.084	NO	Ranked 178 of 198 in Engineering, Electrical & Electronic and 41 of 49 in Telecommunications
MICROWAVES & RF	0.083		
NTT REVIEW	0.081	NO	Ranked 180 of 198 in Engineering, Electrical & Electronic and 43 of 49 in Telecommunications
INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION	0.075		
FREQUENZ	0.071	NO	Ranked 182 of 198 in Engineering, Electrical & Electronic
IEEE TRANSACTIONS ON COMPONENTS AND PACKAGING TECHNOLOGIES	0.071		
GEC REVIEW	0.067	NO	Ranked 184 of 198 in Engineering, Electrical & Electronic
ELECTRICAL ENGINEERING IN JAPAN	0.065		
IEE REVIEW	0.060	NO	Ranked 186 of 198 in Engineering, Electrical & Electronic

JOURNAL OF THE INSTITUTION OF BRITISH TELECOMMUNICATIONS ENGINEERS	0.058		
ELECTRONIC ENGINEERING	0.050	NO	Ranked 188 of 198 in Engineering, Electrical & Electronic
ELECTRICAL ENGINEERING	0.038	NO	Ranked 189 of 198 in Engineering, Electrical & Electronic
CONNECTOR SPECIFIER	0.030	NO	Ranked 190 of 198 in Engineering, Electrical & Electronic and 45 of 49 in Telecommunications
ELECTRONICS AND COMMUNICATIONS IN JAPAN PART III-FUNDAMENTAL ELECTRONIC SCIENCE	0.030	NO	Ranked 190 of 198 in Engineering, Electrical & Electronic
CONTROL ENGINEERING	0.028		
ELECTRONICS AND COMMUNICATIONS IN JAPAN PART I-COMMUNICATIONS	0.022	NO	Ranked 193 of 198 in Engineering, Electrical & Electronic, Ranked 46 of 49 in Telecommunications
EE-EVALUATION ENGINEERING	0.011		
ELECTRONICS WORLD	0.010	NO	Ranked 195 of 198 in Engineering, Electrical & Electronic and 47 of 49 in Telecommunications
ELECTRONIC DESIGN	0.009	open access	
IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII RADIOELEKTRONIKA	0.007	NO	Ranked 197 of 198 in Engineering, Electrical & Electronic, Ranked 48 of 49 in Telecommunications
IETE JOURNAL OF RESEARCH	0.000	open access	
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