



राष्ट्रीय प्रौद्योगिकी संस्थान राउरकेला

**National Institute of Technology Rourkela**

बीजू पटनायक केन्द्रीय पुस्तकालय

**Biju Patnaik Central Library**

## NEW ARRIVAL – BOOKS

The following new books (09.06.2014 – 12.06.2014) have been added to the library collection, these will be displayed in the current books display area (First Floor) for one week after that these will be placed on shelf. Reservation of displayed books can be made during display period.

Accession No	Title Details	Status
<b>DATA PROCESSING &amp; COMPUTER SCIENCE:</b>		
67143	004.6782 JAM/C Cloud computing: SaaS, PaaS, IaaS, virtualization, business models, mobile, security and more / Jamsa, Kris. --Burlington: Jones & Bortlett, 2013	On Display
<b>COMPUTER PROGRAMMING, PROGRAMS &amp; DATA:</b>		
67148	005.754 ERC/D Distributed graph algorithms for computer networks / Erციyes, K. --London: Springer, 2013	On Display
66221	005.432 BLU/L Linux command line and shell scripting bible / Blum, Richard. --New Delhi: Wiley, 2013	On Display
<b>SPECIAL COMPUTER METHODS:</b>		
66721	006.312 MEN/D Data mining: mobile devices / Mena, Jesus. --Boca Raton : CRC Press, 2013	On Display
<b>FINANCIAL ECONOMICS:</b>		
67111	332.042 ARA/G Governance in the business environment / Aras, Guler, ed. --United Kingdom: Emerald, 2011	On Display
<b>ECONOMICS OF LAND &amp; ENERGY:</b>		
67056	333.7932 SPE/C Coal- fired power generation handbook / Speight, James G. --Hoboken: Wiley, 2013	On Display

67101 333.794 STE/A On Display  
Alternative energy: sources and systems / Steeby,  
Donald. --New York: Cengage Learning, 2012

**PRODUCTION:**

67120 338.0409 LAN/I On Display  
Invention of enterprise: entrepreneurship from ancient  
Mesopotamia to modern times / Landes, D. S., ed. --New  
Jersey: Princeton University Press, 2010

**OTHER SOCIAL PROBLEMS & SERVICES:**

67115 363.12081 GRE/H On Display  
Highway scene safety / Greenwood Leslie J. --New York  
: Cengage Learning, 2012

**ALGEBRA:**

67119 512.4 COH/I On Display  
Introduction to ring theory / Cohn, P.M. --London  
: Springer, 2011

67108 512.4 LAM/E On Display  
Exercises in classical ring theory / Lam, T. Y. --New  
York: Springer, 2011

**ANALYSIS:**

67127 515.2433 GRA/M On Display  
Modern fourier analysis / Grafakos, Loukas. --New Delhi  
: Springer, 2011

67145 515.9 FIS/C On Display  
Complex variables / Fisher, Stephen D. --New York  
: Dover Publication, 1990

67116 515 ROS/I On Display  
Introduction to analysis / Rosenlicht, Maxwell. --New  
York: Dover Publication, 1968

**PROBABILITIES & APPLIED MATHEMATICS:**

67134 519.5 CHA/S On Display  
Statistical methods: a guide to statistical analysis  
for professionals and scientists / Chaudhari, Salil  
Kumar. --New Delhi: Asian Books Private Limited, 2007

67144 519.5 GOO/C On Display  
Common errors in statistics (and how to avoid them)  
/ Good, Philip I. --Hoboken: Wiley, 2012

**ASTRONOMY & ALLIED SCIENCES:**

67146 520 PAS/C On Display  
Cosmos: astronomy in the new millennium / Pasachoff,  
Jay M. --New York: Cambridge University Press, 2014

**TECHNIQUES, EQUIPMENT & MATERIALS:**

67073 522.67 EAR/H On Display  
Hydrogen storage materials: Rutherford appleton  
laboratory, Didcot, Oxon, United Kingdom 18-20 April  
2011 / Royal Society of Chemistry. --Cambridge: RSC  
Publishing, 2011

**PHYSICS:**

67150 530.11 COO/E On Display  
Einstein's relativity / Cooperstock, Fred I. --Berlin  
: Springer, 2012

67129 530.12 BOH/Q On Display  
Quantam mechanics: foundation and application / Bohm,  
Arno. --New Delhi: Springer, 2011

67128 530.12 FLU/P On Display  
Practical quantum mechanics / Flugge, Siegfried.  
--Berlin: Springer, 2009

67124 530.120151 GUS/M On Display  
Mathematical concepts of quantum mechanics  
/ Gustafson, Stephen J. --New York: Springer, 2006

67135 530.13 GRE/T On Display  
Thermodynamics and statistical mechanics / Greiner,  
Walter. --New York: Springer, 2007

67118 530.155 LAM/I On Display  
Introduction to nonlinear physics / Lam, Lui, ed.  
--New York: Springer, 2007

67085 530.417 MOE/N On Display  
Novel methods to study interfacial layers / Moebius,  
D., ed. --Amsterdam: Elsevier, 2001

67080 531.16 TEO/M On Display  
Mechanical systems, classical models / Teodorescu,  
Petre P. --Dordrecht: Springer, 2007

**ELECTRICITY & ELECTRONICS:**

66511 537 KAL/P On Display  
Principles of electromagnetic waves and materials  
/ Kalluri, Dikshitulu K. --Boca Raton: CRC Press, 2013

**MAGNETISM:**

67130 538.07 WHI/Q On Display  
Quantum theory of magnetism: magnetic properties of  
materials / White, Robert M. --Berlin: Springer, 2007

**PHYSICAL CHEMISTRY:**

67055 541.39505 SPI/C On Display  
Catalysis: a review of recent literature / Spivey, J.  
J., repo. : Royal Society of Chemistry, 2004

**INORGANIC CHEMISTRY:**

67076 546 PUT/I On Display  
Inorganic chemistry of materials: how to make things  
out of elements / Put, Paul J. van der. --New York  
: Plenum Press, 1998

**ECONOMIC GEOLOGY:**

67057 553.24 THO/C On Display  
Coal geology / Thomas, Larry. --Chichester: Wiley-  
Blackwell, 2013

**FOSSIL CHORDATES:**

66248 566 COL/C On Display  
Colbert's evolution of the vertebrates: a history of  
the backboneed animals through time / Colbert, Edwin H.  
--New Delhi: Wiley India, 2012

**LIFE SCIENCES, BIOLOGY:**

67141 570.15195 DAN/B On Display  
Biostatistics: basic concepts and methodology for the  
health sciences / Daniel, Wayne W. --Hoboken: Wiley  
, 2013

66153 570 MAS/B On Display  
Biology / Mason, Kenneth A. --New Delhi: Mc Graw Hill  
Education Private Limited, 2013

**BIOCHEMISTRY:**

67086 572.86 BID/N On Display  
Nutritional genomics: the impact of dietary regulation  
of gene function on human disease / Bidlack, Wayne R.,  
ed. --Boca Raton: CRC Press, 2012

67142 572.8636 PET/C On Display  
Classification analysis of DNA microarrays / Peterson,  
Leif E. --Hoboken: Wiley, 2013

**ECOLOGY:**

67149 577.22 POS/E On Display  
Ecology of climate change: the importance of biotic  
interactions / Post, Eric. --Princeton: Princeton  
University Press, 2013

67091 577 WAL/P On Display  
Prebiotic chemistry: from simple amphiphiles to  
protocell models / Walde, Peter, ed. --Berlin: Springer  
, 2005

**NATURAL HISTORY OF ORGANISMS:**

67096 578.757 MOL/S On Display  
Soil colloids: properties and ion binding / Molina,  
Fernando V. --Boca Raton: CRC Press, 2013

**MICROORGANISMS, FUNGI & ALGAE:**

67070 579.5 POL/F On Display  
Fungal enzymes / Polizeli, Maria de Lourdes T. --Boca  
Raton: CRC Press, 2013

67126 579 ING/M On Display  
Microbiology: an introduction / Ingraham, John L.  
--New Delhi: Cengage Learning, 2009

67125 579 NES/M On Display  
Microbiology: a human perspective / Nester, Eugene W.  
--New York: Mc Graw Hill, 2012

**INVERTEBRATES:**

66618 592.1757 KON/I On Display  
Intestinal microorganisms of termites and other  
invertebrates / Konig, Helmut, ed. --Berlin: Springer-  
Verlag, 2006

**HUMAN PHYSIOLOGY:**

67102 612.67 ARK/B On Display  
Biology of aging: observations and principles  
/ Arking, Robert. --Massachusetts: Sinauer Associates  
, 1998

66944 612 CHI/H On Display  
Human biology / Chiras, Daniel D. --Sudbury: Jones &  
Bartlett Publishers, 2012

**PERSONAL HEALTH & SAFETY:**

67063 613.282 HET/F On Display  
Food proteins and peptides: chemistry, functionality,  
interactions, and commercialization / Hettiarachchy,  
Navam S., ed. --Boca Raton: CRC Press, 2012

**PHARMACOLOGY & THERAPEUTICS:**

66997 615.8515 TOO/O On Display  
Occupational physiology / Toomingas, Allan, ed. --Boca  
Raton: CRC Press, 2013

67041 615.902 PAC/T On Display  
Toxicity of building materials / Pacheco-Torgal, F.,  
ed. --Oxford: Woodhead Publishing, 2012

**DISEASES:**

67081 616.07543 ANA/M On Display  
Medical imaging: principles and practices / Analoui,  
Mostafa, ed. --Boca Raton: CRC Press, 2013

66607 616.9041 FOR/B On Display  
Bailey & Scott's diagnostic microbiology / Forbes,  
Betty A. --Missouri: Mosby Elsevier, 2007

**ENGINEERING & ALLIED OPERATIONS:**

67123 620.11 HIG/M On Display  
Materials for engineers and technicians / Higgins,  
Raymond A. --Amsterdam: Elsevier, 2010

67053 620.110113 BOZ/A On Display  
Applied computational materials modeling: theory,  
simulation, and experiment / Bozzolo, Guillermo, ed.  
--New York: Springer, 2007

67060	620.118 ZUR/C Composite materials: testing, design, and acceptance criteria / Zureick, A., ed. --Chelsea: ASTM International, 2002	On Display
67082	620.11892 DVO/M Micromechanics of composite materials / Dvorak, George. --Dordrecht: Springer, 2013	On Display
67064	620.14 JAH/F Friction and wear of ceramics / Jahanmir, Said, ed. --New York: Marcel Dekker, 1994	On Display
67083	620.14499 HUL/M Microstructuring of glasses / Hulsenberg, Dagmar. --Berlin: Springer, 2008	On Display
67098	620.16 BUR/S Surface engineering of metals: principles, equipment, technologies / Burakowski, Tadeusz. --Boca Raton: CRC Press, 1998	On Display
67052	620.30151 WU/A Analytical and numerical methods for vibration analyses / Wu, Jong -Shyong. --[s.l.]: Wiley, 2013	On Display
67046	620.5 SUN/Z ZnO nanostructures and their applications / Sun, Xiao Wei. --Boulevard: Pan Stanford Publishing, 2012	On Display
66184	620.0042 NAR/F Finite element analysis / Narasaiah, G. Lakshmi. --Hyderabad: BS Publications/BSP, 2008	On Display

**APPLIED PHYSICS:**

67106	621.367 KRO/D Digital image analysis: selected techniques and applications / Kropatsch, Walter G., ed. --New York : Springer-Verlag, 2001	On Display
67133	621.381 MOL/S Solid-state physics for electronics / Moliton, Andre. --London: Wiley, 2009	On Display
67071	621.3815 MOR/G Graphene, carbon nanotubes and nanostructures: techniques and applications / Morris, James E., ed. --Boca Raton: CRC Press, 2013	On Display
67132	621.38152 DOS/S Single crystal growth of semiconductors from metallic solutions / Dost, Sadik. --Amsterdam: Elsevier, 2007	On Display
67058	621.382 BEM/C Communications engineering desk reference / Beming , Per. --Amsterdam: Academic Press, 2009	On Display
67147	621.3822 WEE/D Digital signal processing: using MATLAB and wavelets / Weeks, Michael. --Burlington: Jones & Bertlett Learning, 2013	On Display

67112	621.3824 SHA/H Handbook of reflector antennas and feed systems / Sharma, Satish K., ed. --Boston: Artech House, 2013	On Display
67113	"	On Display
67114	"	On Display
67131	621.3824 SHA/R Reflectarray antennas: analysis, design, fabrication, and measurement / Shaker, Jafar. --Boston: Artech House , 2014	On Display
67151	621.3828 KLE/E Electroacoustics / Kleiner, Mendel. --Boca Raton: CRC Press, 2013	On Display
67084	621.38485 WAN/M Multi-antenna synthetic aperture radar / Wang, Wen- Qin. --Boca Raton: CRC Press, 2013	On Display
67138	621.4809410904 HIL/A Atomic empire: a technical history of the rise and fall of the british atomic energy programme / Hill, C N. --London: Imperial College Press, 2013	On Display
67079	621.811 VAN/M Machinery vibration and rotordynamics / Vance, John. --Hoboken: John Wiley & Sons, INC., 2010	On Display
67074	621.89 MAN/I Industrial tribology: tribosystems, friction, wear and surface engineering, lubrication / Mang, Theo. --Weinheim: Wiley - VCH Verlag GmbH & Co. KGaA, 2011	On Display
67078	621.89 MAN/L Lubricants and lubrication / Mang, Theo, ed. --Weinheim : Wiley-VCH, 2007	On Display
66520	621.042 TIT/S Sustainable carbon materials from hydrothermal processes / Titirici, Maria-Magdalena, ed. --Chichester : Wiley, 2013	On Display
67044	621.3848 GIN/W Waveform design and diversity for advanced radar systems / Gini, Fulvio, ed. --London: The Institution of Engineering and Technology, 2012	On Display
67037	621.811 BRA/ T Textbook of theory of machines / Brar, J. S. --New Delhi: Laxmi Publication, 2013	On Display

**MINING & RELATED OPERATIONS:**

67087	622.292 HUS/O Open pit mine: planning and design / Hustrulid, William. --Boca Raton: CRC Press, 2013	On Display
67088	"	On Display

**MILITARY & NAUTICAL ENGINEERING:**

67117 623.043 MAR/I On Display  
Introduction to modern EW systems / Martino, Andrea  
De. --Boston: Artech House, 2012

**CIVIL ENGINEERING:**

67097 624.10212 MIK/S On Display  
Structural engineering formulas / Mikhelson, Ilya.  
--New York: Mcgraw Hill Education, 2013

67051 624.15 MIT/I On Display  
Introduction to ground improvement engineering  
/ Mittal, Satyendra. --New Delhi: Scientific  
International, 2013

67067 624.1513 JAE/F On Display  
Fundamentals of rock mechanics / Jaeger, J. C. --New  
Delhi: Blackwell Publishing, 2012

67068 " On Display

67069 " On Display

67137 624.171 BED/A On Display  
Analysis of engineering structures / Bedenik, B.  
--Oxford: Woodhead Publishing, 2013

67139 624.18 MAR/B On Display  
Basic construction materials / Marotta, Theodore W.  
--Boston: Pearson, 2011

**SANITARY & MUNICIPAL ENGINEERING:**

67089 628.168 SMI/P On Display  
Physicochemical groundwater remediation / Smith, James  
A., ed. --New York: Kluwer Academic Publishers, 2001

67092 628.53 MUD/P On Display  
Principles and practices of air pollution control and  
analysis / Mudakavi, J. R. --New Delhi: I. K.  
International Publishing, 2012

67093 " On Display

67049 628.53 SCH/A On Display  
Air pollution control equipment selection guide  
/ Schiffner, Kenneth C. --Boca Raton: CRC Press, 2014

**OTHER BRANCHES OF ENGINEERING:**

67094 629.20153132 LIU/P On Display  
Principles of vibration analysis: with applications in  
automotive engineering / Liu, C. Q. --Warrendale: SAE  
International, 2011

66227 629.8 KUO/A On Display  
Automatic control systems / Kuo, Benjamin C. --New  
Delhi: Wiley, 2013



**TECHNIQUES, EQUIPMENT & MATERIALS:**

67103 631 PRA/B On Display  
Biotechnology in sustainable biodiversity and food  
security / Prasad B. N., ed. --New Delhi: Oxford & IBH  
Publishing, 2003

**FOOD & DRINK:**

67109 641.3 LER/F On Display  
Food: in context / Lerner, Brenda Wilmoth, ed.  
--Detroit: Gale, Cengage Learning, 2011

67110 " On Display

**GENERAL MANAGEMENT:**

67104 658.18 UPA/B On Display  
Business environment / Upadhyay, Saroj. --New Delhi  
: Asian Books Private Limited, 2010

67059 658.202 LEV/C On Display  
Complete guide to preventive and predictive maintenance  
/ Levitt, Joel. --New York: Industrial Press, 2011

67107 658.4040285 TAB/E On Display  
Enterprise release management: agile delivery of a  
strategic change portfolio / Taborda, Louis J. --Boston  
: Artech House, 2012

**CHEMICAL ENGINEERING:**

67077 660.2815 ROM/I On Display  
Introduction to process control / Romagnoli, Jose A.  
--Boca Raton: CRC Press, 2012

67066 660.2842 BUR/F On Display  
Fundamentals of inorganic membrane science and  
technology / Burggraaf, A. J., ed. --Amsterdam  
: Elsevier, 1996

67062 660.284292 HOW/F On Display  
Fluidized bed technology: principles and applications  
/ Howard, J. R. --Bristol: Adam Hilger, 1989

67140 660.6 MAN/B On Display  
Biomechatronic design in biotechnology: a methodology  
for development of biotechnological products  
/ Mandenius, Carl-Fredrik. --Hoboken: Wiley, 2011

67100 660.62 VER/Y On Display  
Yeast: biotechnology and biocatalysis / Verachtert,  
Hubert, ed. --New York: Marcel Dekker, 1990

66461 660.28424 BAS/A On Display  
Advanced membrane science and technology for  
sustainable energy and environmental applications  
/ Basile, Angelo, ed. --Oxford: Woodhead Publishing  
, 2011

66466 660.63 YAN/B On Display  
Bioprocessing technologies in biorefinery for  
sustainable roduction of fuels, chemicals, and polymers  
/ Yang, Shang Tian, ed. --Hoboken: Wiley, 2013

**EXPLOSIVES, FUELS & RELATED PRODUCTS:**

67050 662.6 BAB/A On Display  
Alternative transportation fuels: utilisation in  
combustion engines / Babu, M. K. Gajendra. --Boca Raton  
: CRC Press, 2013

**FOOD TECHNOLOGY:**

67065 664.8 ART/F On Display  
Fruit processing / Arthey, D., ed. --London: Blackie  
Academic & Professional, 1996

**CLEANING, COLOR & COATING TECHNOLOGIES:**

67061 667.9 GRA/E On Display  
Engineering coatings: design and application  
/ Grainger, Stan, ed. --Cambridge: William Andrew  
Publishing, 1998

**TECHNOLOGY OF OTHER ORGANIC PRODUCTS:**

67072 668.3 CON/A On Display  
Adhesives and sealants: basic concepts and high tech  
bonding / Cognard, Philippe. --Amsterdam: Elsevier  
, 2005

66517 668.9 GRO/R On Display  
Recycling and reuse of materials and their products  
/ Grohens, Yves, ed. --Toronto: Apple Academic Press  
, 2013

**MANUFACTURING:**

67121 670.42 DHA/M On Display  
Manufacturing process / Dhar, R. N. --New Delhi: Asian  
Books Private Limited, 2010

67122 670.42 MUB/M On Display  
Manufacturing science / Mubeen, Abdul. --New Delhi  
: Asian Books Private Limited, 2011

**METALWORKING & PRIMARY METAL PRODUCTS:**

67047 671.37 SAL/A On Display  
Advanced powder technology VIII: selected, peer  
reviewed papers from the eighth Latin American  
conference on powder tech / Salgado, Lucio, ed.  
--Durnten -Zurich: 2012

67048 " On Display

67095 671.52015118 ZHA/R On Display  
Real-time weld process monitoring / Zhang, Yuming, ed.  
--Cambridge: Woodhead Publishing, 2008

**NONFERROUS METALS:**

67099 673.7222 AND/W On Display  
Welding aluminum - questions and answers: a practical  
guide for troubleshooting aluminum welding-related  
problems / Anderson, Tony. --Miami: American Welding  
Society, 2010

67054 673.7222 ZOL/C On Display  
Casting aluminum alloys / Zolotorevsky, Vadim S.  
--Amsterdam: 2007

**PRECISION INSTRUMENTS & OTHER DEVICES:**

67090 681.2 GAU/P On Display  
Piezoelectric sensorics: force, strain, pressure,  
acceleration and acoustic emission sensors, materials  
and amplifiers / Gautschi, G. --Berlin: Springer-Verlag  
, 2002

67075 681.2 GUN/I On Display  
Industrial wireless sensor networks: applications,  
protocols, and standards / Gungor, V. Cagri, ed.  
--Boca Raton: CRC Press, 2013

66629 681.2 LI/W On Display  
Wireless body area network / Li, Huan-Bang. --Aalborg  
: River Publishers, 2014

**BUILDINGS:**

67105 690.068 ROU/C On Display  
Construction supervision / Rounds, Jerald. --Hoboken  
: Wiley, 2011

**SPECIFIC MATERIALS & PURPOSES:**

67136 693.85 COC/W On Display  
Wind issues in the design of buildings / Cochran,  
Leighton, ed. --Reston: American Society of Civil  
Engineers, 2012

**INDOOR GAMES OF SKILL**

66927 794.81536 BUR/G  
Game design theory: a new philosophy for understanding  
games / Burgun, Keith. --Boca Raton: CRC Press, 2012

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## **RECENT ARRIVALS -INDIAN PRINT JOURNALS**

The following issue(s) of Indian print journals are available in the Central Library (Periodical Display Area-First Floor).

S.No.	Issue Details	Copies	Rcvd on
1.	Bulletin of Materials Sciences / Indian Academy of Science and Springer. 36(7); 10 Dec,2013		26/05/2014
2.	Current Science / Indian Academy of Science (Current Science Association). 106(10); 10 May,2014 106(9); 10 May,2014 106(8); 25 Apr,2014 106(5); 10 Mar,2014 106(4); 25 Feb,2014 106(3); 10 Feb,2014 105(11); 10 Dec,2013		26/05/2014 5/06/2014 26/05/2014 26/05/2014 26/05/2014 7/04/2014 26/05/2014
3.	Indian Concrete Journal / ACC Ltd. 88(4); Apr,2014		26/05/2014
4.	International Journal of Earth Science and Engineering-IJEE / CAFET-INNOVA Technical Society. 6(6); Dec,2013		26/05/2014
5.	ITPI Journal / Institute of Town Planners. 10(4); Oct,2013		26/05/2014
6.	Journal of Environmental Science and Engineering / National Environmental Engineering and Research Institute. 55(3); Jul,2013		29/05/2014
7.	Journal of Sustainable Planet / Institute of Advance Technology & Environmental Studies. 4(4); Oct,2013		26/05/2014
8.	Journal of the Institution of Engineers (India) Series A: Civil; Architectural; Environmental; Agricultural 94(3); Aug-Oct,2013 Engineering / The Institution of Engineers (India).		26/05/2014
9.	Journal of the Institution of Engineers (India) Series B:Electrical; Electronic & Telecommunication; Computer 94(4); Dec,2013 Engineeri / The Institution of Engineers (India).		26/05/2014
10.	Journal of the Institution of Engineers (India) Series E: Chemical; Textile Engineering / The Institution of Engineers (India) & Springer. 94(2); Sep,2013		26/05/2014
11.	Minetech / Central Mine Planning & Design Institute. 34(3); Sep,2013		30/05/2014

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