

**University of Kerala
Department of Optoelectronics
Kariavattom-695581
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Quotation Notice

KU/OPTO/223/2021-22

Dated: 13/09/2021

Quotations are invited for the supply of books to the Department of Optoelectronics, University of Kerala, Kariavattom Campus. The list of books and the format for submitting quotations are given below. A discount of minimum of 18% for foreign books and 23% for Indian books should be permissible on the price of the books.

Sealed quotations as per the attached format should reach the Head of the Department, Department of Optoelectronics, University of Kerala, Kariavattom, Thiruvananthapuram-695581 on or before 27/09/2021, 3 pm.

Lists of books required

| Sl. No. | Title | Author | Publisher |
|---------|---|--|--|
| 1 | Strain and stress analysis by holographic and speckle interferometry | Shchepinov.V. P, Vladimir S. Pigarev and Sergey A. Novikov | Wiley |
| 2 | speckle photography for fluid mechanics measurement | Fomin Nikita. A | Springer |
| 3 | Selected paper on electronic speckle pattern interferometry (Principle and Practice) | Peter Meinschmidt, Klaus D. Hinsch and Et Rajpal S. Sirohi | SPIE Optical Engineering Press |
| 4 | Robust Speckle Metrology techniques for stress analysis and NDT | Matias R. Viotti, Armando Albertazzi(Jr) | SPIE Press(2014) |
| 5 | Dynamic laser speckle and application | Hector J. Rabal, Roberto A. Braga Jr. | CRC Press |
| 6 | Handbook of Holographic interferometry optical and digital methods | Thomas Kreis | Wiley VCH |
| 7 | Speckle phenomena in Optics | Joseph W. Goodman | Viva Books |
| 8 | Laser Speckle and related phenomena(Topics in Applied Physics) | J. C. Dainty | Springer(Volume 9 and 2nd edition(1975)) |
| 9 | Basics of Interferometry | P. Hariharan | Elsevier Academic Press |
| 10 | Stellar speckle and application in Optics | J. C. Dainty | IOP Publishing Ltd |
| 11 | Laser Speckle and application in Optics | M. Francon | Elsevier |
| 12 | Aerogel Handbook | Michel A. Aegerter and Nicholas Leventis | Springer Publications |
| 13 | Sol-gel processing and application | Yosry A. Attia | Springer Science |
| 14 | Aerogel | J. Fricke | Springer |
| 15 | Physics and Chemistry of Carbon based materials(Basics and application) | Yoshihiro Kubozona | Spinger Singapore |
| 16 | Aerogel | Frederic P. Miller, Agnes F. Randome and John McBrewster(Ed) | Alphascript |
| 17 | Basics of Holography | P. Hariharan | Cambridge University Press |
| 18 | Optical holography: principles, techniques and applications. Ed.2 | P. Hariharan | Cambridge University Press |
| 19 | Handbook of Laser-Induced Breakdown Spectroscopy, 2nd Edition. 2013. | David A. Cremers, Leon J. Radziemski | John Wiley & Sons Publications, |
| 20 | Laser-Induced Breakdown Spectroscopy (LIBS) Fundamentals and Applications . | Andrzej W. Miziolek, Vincenzo Palleschi, Israel Schechter | Cambridge university press; 2006 |
| 21 | The Physics of Laser Plasmas and Applications - Volume 1: Physics of Laser Matter Interaction | Takabe Hideaki. | Springer Nature, 2020. |

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| 22 | Encyclopedia of Spectroscopy and Spectrometry, 2 editions, | Editors: John C. Lindon, George E. Tranter and David W.Koppelaar, | Academic Press – Elsevier |
| 23 | Principles of Plasma Spectroscopy | Hans R. Griem, | Cambridge University Press 1998 |
| 24 | Spectral Line Broadening by Plasmas | Hans R. Griem | Academic Press New York 1974 |
| 25 | Novel Carbon Materials and Composites: Synthesis Properties and Applications | Xin Jiang, Zhenhui Kang, Xiaoning Guo, Hao Zhuang, 9. | John Wiley Publications, 2019 |
| 26 | Handbook of Biopolymer-Based Materials: From Blends and Composites to Gels and Complex Networks | Dominique Durand, Christophe Chassenieux, P. Jyotishkumar, Sabu Thomas, 2013. | |
| 27 | Density Functional Theory: A Practical Introduction | David S. Sholl, Janice A. Steckel, | John Wiley & Sons Publications, 2009 |
| 28 | Understanding molecular simulation:from Algorithms to Applications Daan Frenkel and Berend Smit, 2002 | | |
| 29 | Networks: An Introduction | M. E. J. Newman | Oxford University Press |
| 30 | Advances in network complexity. Vol.4 | Eds: Matthias Dehmer, Abbe Mowshowitz, and Frank Emmert-Streib. | Wiley-Blackwell |
| 31 | Mathematical Foundations and Applications of Graph Entropy. Vol. 6 | Eds: Matthias Dehmer, Frank Emmert-Streib, Zengqiang Chen, Xueliang Li, and Yongtang Shi. | Wiley- VCH |
| 32 | Modern Graph Theory | Bela Bollobas | Springer |
| 33 | Graph Theory and its Applications, Third Edition | Jonathan L. Gross, Jay Yellen and Mark Anderson | CRC Press |
| 34 | A Beginner' Guide to Graph Theory. 2nd ed. | W D Wallis | Birkhauser |
| 35 | Application of Wavelets in Speech Processing | Mohamed Hesham Farouk | Springer |
| 36 | Multimedia Signal Processing: Theory and Applications in Speech, Music and Communications | Saeed V. Vaseghi | John Wiley and Sons, Ltd |
| 37 | Discrete-Time Processing of Speech Signals | John R. Deller, Jr., John H. L. Hansen, John G. Proakis | IEEE, Wiley Interscience |
| 38 | Recurrent Neural Networks for Prediction: Learning Algorithms, Architectures and Stability | Danilo P. Mandic, Jonathon A. Chambers | John Wiley & Sons Ltd |
| 39 | Graph Theory and Complex Networks: An Introduction | Maarten van Steen | Maarten van Steen |
| 40 | An Introduction to Grids, Graphs and Networks | C. Pozrikidis | Oxford University Press |
| 41 | Graph Theory with Applications to Engineering and Computer Science | Narsingh Deo | PHI |
| 42 | Basic Graph Theory | Md. Saidur Rahman | Springer |
| 43 | Schaum's Outline of Graph Theory: Including Hundreds of Solved Problems - Including Hundreds of Solved Problems | V K Balakrishnan | McGraw-Hill |
| 44 | Fascinating World of Soot | M S Swapna, S Sankararaman | Lambert Publishers |

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| 45 | Introduction to Graph Theory. 2nd ed. | Douglas B West | PHI |
| 46 | Introduction to Graph Theory. 5th ed. | Robin J Wilson | Prentice Hall |
| 47 | Graph Theory | Reinhard Diestel | Springer-Verlag |
| 48 | Graph Theory and Applications, Proceedings of the Conference at Western Michigan University | Eds: Y Alavi, D R Dick, A T White | Springer |
| 49 | Recurrence Plots and Their Quantifications: Expanding Horizons Proceedings of the 6th International Symposium on Recurrence Plots | Eds: Charles L Weber, Cornel Ioana, Norbert Marwan | Springer Proceedings |
| 50 | Graph Theory: Favorite Conjectures and Open Problems - 1 (Problem Books in Mathematics) Hardcover | Eds: Raluca Gera, Stephen Hedetniemi, Craig Larson | Springer |
| 51 | Graph Theory: Favorite Conjectures and Open Problems - 2 (Paperback) | Eds: Gera, Raluca, Haynes, Teresa W., Hedetniemi, Stephen T. | Springer |
| 52 | Graph Theory Applications | L R Foulds | Springer |
| 53 | Graphs: Theory and Algorithms (hardcover) | K Thulasiraman, M N S Swamy | John Wiley and Sons, Inc |
| 54 | Adventures in Graph Theory (paperback) | Joyner, David, Melles, Caroline Grant | Birkhauser |
| 55 | A Textbook of Graph theory, 2Edn (paperback) | R Balakrishnan, K Ranganathan | Springer |
| 56 | Maximum-Entropy Networks: Pattern Detection, Network Reconstruction and Graph Combinatorics | Tiziano Squartini, Diego Garlaschelli | Springer |
| 57 | Network Optimization (Hardcover) | V K Balakrishnan | CRC Press |
| 58 | Complex Graphs and Networks | Fan Chung, Fan R. K. Chung, Fan Chung Graham | American Mathematical Society |
| 59 | Materials modelling using Density functional theory: properties and predictions | Feliciano Giustino, 2014 | |
| 60 | Biopolymers for food design: a volume in Handbook of Food Bioengineering book. 2018 | Alexandru Mihai Grumezescu and Alina Maria Holba(Ed) | |
| 61 | Sustainable food packaging technology. 2021 | Athanassia Athanassiou | |

