

INDEX TO DEFENCE SCIENCE JOURNAL, VOLUME 68, 2018

TITLE INDEX

- A Compact Reconfigurable Multi-mode Resonator-based Multi-band Band Pass Filter for Intelligent Transportation Systems Applications, 547
- A Computing Model for Design of Flexible Buoyancy System for Autonomous Underwater Vehicles and Gliders, 589
- A Design of Experiments Methodology for Evaluating Configuration for a Generation Next Main Battle Tank, 19
- A Field Study on Concurrent Spare Parts Recommendation in an Airborne Weapon System, 282
- A Game Theoretic Software Test-bed for Cyber Security Analysis of Critical Infrastructure, 54
- A Hybrid Approach to Cognition in Radars, 183
- A Motif-based Mission Planning Method for UAV Swarms Considering Dynamic Reconfiguration, 159
- A Survey of Adversarial Machine Learning in Cyber Warfare, 356
- A Triangular-shaped Quarter-mode Substrate Integrated Waveguide based Antenna for WBAN Applications, 190
- Ab Initio Studies on the Interaction Between Copper(I) and 5-Nitrotetrazolate Anion, 12
- Activated Carbon Fabric: An Adsorbent Material for Chemical Protective Clothing, 83
- Aerodynamic Parameters Estimation Using Radial Basis Function Neural Partial Differentiation Method, 241
- An Evidential Fractal Analytic Hierarchy Process Target Recognition Method, 367
- Analysis and Parameter Identification of Automatic Cannon Carriages, 525
- Application of Spatiotemporal Fuzzy C-Means Clustering for Crime Spot Detection, 374
- Application of Water Cumulative Charges as a Water Spouts for Intensive Flame Extinguishing, 260
- Assessment of Invisible Areas and Military Objects in Mountainous Terrain, 343
- Bandwidth Enhancement of Substrate Integrated Waveguide Cavity-backed Bow-tie-complementary-ring-slot Antenna using a Shorted-via, 197
- Capturing an Evader Using Multiple Pursuers with Sensing Limitations in Convex Environment, 451
- Characterisation of High Porous PZT Piezoelectric Ceramics by Different Techniques, 500
- Comfort Level Refinement of Military Tracked Vehicle Crew through Optimal Control Study, 265
- Command Agent Belief Architecture to Support Commander Decision Making in Military Simulation, 46
- Commemorative issue of Defence Science Journal on DRDO@60, 3
- Comparative Study of Damping in Pristine, Steel, and Shape Memory Alloy Hybrid Glass Fiber Reinforced Plastic Composite Beams of Equivalent Stiffness, 91
- Comparison of Predicted and Experimental Behaviour of RC Slabs Subjected to Blast using SDOF Analysis, 138
- Computational Study of Transverse Slot Injection in Supersonic Flow, 121
- Construction of Dual Cyclic Codes over $\mathbb{F}_2[u, v] / \langle u^2, v^2 - v, uv - vu \rangle$ for DNA Computation, 467
- Countering UAVs – the Mover of Research in Military Technology, 460
- Data Analysis and Validation of Acquired Temperature Data on Underwater Platform, 597
- Design and Development of Compact Conformal Microstrip Antenna at S-Band, 519
- Design and Development of Redeployable Underwater Data Communication Link for Defence Application, 111
- Design and Fabrication of Multi-finger Field Plate for Enhancement of AlGaIn/GaN HEMT Breakdown Voltage, 290
- Design and Validation of Blast Non-propagation Wall for Multi-compartmented Explosive Storage Structure of Capacity 5T NEC per Compartment, 432
- Design for Stuck-at Fault Testability in MCT based Reversible Circuits, 381
- Design Optimisation of Muzzle Brake for Sniper Rifle, 438
- Design, Analysis and Characterisation of Spoof Surface Plasmon Polaritons based Wideband Bandpass Filter at Microwave Frequency, 300
- Design, Development and Performance Evaluation of Eddy Current Displacement Sensor based Pressure Sensor with Target Temperature Compensation, 203
- Detection and Identification of Camouflaged Targets using Hyperspectral and LiDAR data, 540
- Development of a Full Mission Simulator for Pilot Training of Fighter Aircraft, 425
- Development of Adaptive Threshold and Data Smoothing Algorithm for GPR Imaging, 316
- Effect of Internal Clearance on Buckling of Multistage Hydraulic Cylinder, 167
- Effect of Yttrium Oxide Dispersion on the Microstructure and Properties of Tungsten Heavy Alloys, 406
- Effects of Tank Gun Structural Components on the First Shot Hit Probability, 273
- Energy-Efficient Multiple Relay Selection in Cognitive Radio Networks, 295
- Epoxy-glass Microballoon Syntactic Foams for Blast Mitigating Applications, 210
- Ergonomic Level Improving of Armoured Fighting Vehicle Crew, 33
- Evaluating Impact Resistance of Aluminum 6061-T651 Plate using Smoothed Particle Hydrodynamics Method, 251
- Evaluation of Local Feature Detectors for the Comparison of Thermal and Visual Low Altitude Aerial Images, 473

- Evolutionary Trends in Transmit/Receive Module for Active Phased Array Radars, 553
- Experimental and Numerical Investigation of Engine Foundation for Vibration Reduction, 604
- Experimental Studies on Axial Bolted Joint between E-Glass Epoxy Flat Laminate and Steel Flat Plates Subjected to Uni-Axial Tensile Repeated Loading for 15 Cycle, 577
- Failure behavior of concrete subjected to high dynamic loading of new spiral projectile, 347
- Fragmentation Behaviour of Radial Layered PELE Impacting Thin Metal Target Plates, 505
- Frustum Shaped Conformal Antenna for Spinning Aerial Platform, 388
- Fuzzy Logic-based Adaptive Extended Kalman Filter Algorithm for GNSS Receivers, 560
- Implementation of Peltier Cooling in Hermetically Sealed Electronic Packaging Unit for Sub-sea Vessel, 326
- Indoor Scene Recognition for Micro Aerial Vehicles Navigation using Enhanced-GIST Descriptors, 129
- Influence of Bathymetry on the Performance of Regional Scale Model, 104
- Influence of Tool Tilt Angle on Material Flow and Defect Generation in Friction Stir Welding of AA2219, 512
- Infrared and Structural Studies of Micro and Nano-crystalline Ta Doped Lead Zirconate Titanate Ceramics, 412
- Internet of Things Controlled Reconfigurable Antenna for RF Harvesting, 566
- Methodology to Measure the Protective Areal Density of Ceramic Tiles Against Projectile Impact, 76
- Microencapsulation of Paraffin Wax Microspheres with Silver, 218
- Multi-objective Optimisation of Multi-robot Task Allocation with Precedence Constraints, 175
- Networking of Tracking Radars of Two Different SAM Weapons to Protect the Missile in Intensive Jamming Environment, 70
- Novel Ultra Wide Band Polarisation Independent Capacitive Jaumann Radar Absorber, 64
- Numerical Investigations on Wedge Control of Separation of a Missile from an Aircraft, 583
- Passive Thermal Management of Launch Vehicle Systems using Phase Changing Materials, 337
- Performance Analysis of GaN/AlGaIn HEMTs Passivation using Inductively Coupled Plasma Chemical Vapour Deposition and Plasma Enhanced Chemical Vapour Deposition Techniques, 572
- Prediction of Shot Start Pressure for Rifled Gun System, 144
- Range Performance Modelling of Thermal Imaging System based on Single Parameter Characterised by Ambient Temperature and Relative Humidity, 480
- Relay based Coupling Scheme of High Speed Communication Data, High Voltage DC and High Power Pulsed AC for Coaxial Cable, 487
- Ricochet of Spheres on Sand of Various Temperature, 150
- Robust Stabilised Visual Tracker for Vehicle Tracking, 307
- Separation Dynamics of Air-to-Air Missile and Validation with Flight Data, 5
- Similarity Analysis of Projectile Penetration into Concrete, 417
- Small-Caliber Grenade Projectile Applicable to Individual Grenade Launchers, 445
- Spectroscopic Evaluation of Optical Parameters of a Transition Metal Salt Filled Polymer Material, 225
- Study and Analysis of Exhaust Emission of Diesel Vehicles using Thermal IR Imagers, 533
- Study of Wavefront Tilt Variance with Various Telescope Apertures in Indoor Convective Turbulence, 394
- Synthesis of Silver Nanostructures and their Application in Highly Sensitive SERS Sensors, 98
- Testing and Evaluation of High Energy Portable Laser Source used as a Target Designator along with a Laser Seeker, 494
- Thermal Design, Analysis and Packaging of an Airborne Multi-output Power Supply Unit, 235
- Topology Optimisation and Fabrication Aspects for Light Weight Design of an Articulating Beam of Article Launching System, 26
- Ultrasonic Standoff Photoacoustic Sensor for the Detection of Explosive and Hazardous Molecules, 401

AUTHOR INDEX

- Abdelsalam, Ossama R. *see* Said, M. Sherif
 Aboul, M. *see* Said, M. Sherif
 Amit, 290
 Anand, P. 104
 Anandhanarayanan, K. *see* Chakraborty, Debasis
 Anbarasu, B. 129
 Anitha, G. *see* Anbarasu, B.
 Anjaneyulu, L. *see* Kumar, Arun
 see Kumar, Arun
 Annapurna, Sogunuru, 235
 Ansari, Mohd Yousuf, 374
 Arora, M.K. *see* Yadav, Deepti
 Arun, V. 566
 Awasthi, Punam, *see* Srivastava, Alok Kumar
- Balaguru, Vadivelu, *see* Rahman, A. R. Hafeezur
 Balasubramaniam, M. *see* Kumar, Praveen
 Balla, Jiri, 525
 Banerjee, M. 225
 Baskaran, R. *see* Padmanabhan, Panchu K.
 Bayramov, Azad Agalar, 343
 Bedi, Punam, *see* Bisht, Sanjay
 Beenamole, K.S. *see* Rathod, Somsing
 Bharati, H. S. *see* Bisht, Sanjay
 Bhatia, Yashpal, *see* Shashidhara, B.P.
 Bineshkumar, K. *see* Shashidhara, B.P.
 Bisht, Sanjay, 46
 Biswas, Diptiman, 388
 Borana, S.L. *see* Jain, Ajay
- Chakraborty, Debasis, 5
 see Dharavath, Malsur
 Chandel, P. *see* Ullas, A.V.
 Chandrasekaran, R. *see* Shashidhara, B.P.
 Chaturvedi, Divya, 190
 Chaubey, Rupesh K. *see* Amit
 Chaudhuri, Sudhir Kumar, *see* Rao, G. Kumaraswamy
 Chen, Xi, *see* Cheng, Chun
 Chen, Zhihua, *see* Zhu, Shiquan
 Cheng, Chun, 505
 Choi, Woo Chun, *see* Kim, Yoon Keon
- Das, Dilikeswar, *see* Prabhakar, C. Sharada
 Das, S. K. *see* Sudarsan, N. V.
 Deng, Yong, *see* Han, Yuzhen
 Devaraj, D. *see* Gobi, K.
 Dharavath, Malsur, 121
 Dixit, Awakash, 394
 Du, Chengxin, *see* Cheng, Chun
 Du, Zhonghua, *see* Cheng, Chun
 Duan, Zhuo-Ping, *see* Huang, Meng
 Duddu, Vasisht, 356
 Dursun, Tolga, 273
- Ewertowski, Janusz, *see* Taraszewski, Michal
- Farlik, Jan, *see* Kratky, Miroslav
- Gaur, Hari Mohan, 381
 Ghaneka, Umesh, *see* Gaur, Hari Mohan
 Ghosh, Debashis, *see* Verma, Kamlesh
 Ghosh, J.K. *see* Yadav, Deepti
 Gladwin, Joshua Anand, *see* Gogoi, Tutul
 Gnanasambandam, Prabhu, 406
 Gobi, K. 203
 Gogoi, Tutul, 494
 Gou, Yongjie, *see* Zhu, Shiquan
 Goyal, Vivek, *see* Gogoi, Tutul
 Gupta, Indivar, *see* Singh, Abhay Kumar
 Gupta, Amit Kumar, 91
 Gupta, Saurabh, *see* Sharma, Ramesh
- Halder, Sudipta, *see* Singh, Kh. Gopal Krishna
 Han, Jilong, *see* Cheng, Chun
 Han, Yuzhen, 367
 Harsha, P. Babu Sree, 560
 Hashimov, Elshan Giyas, *see* , *see* Wu, Jun
 Hedayati, Ehsan, 251
 Huang, Feng-Lei, *see* Huang, Meng
 Huang, Meng, 417
 Huang, Zhengui, *see* Zhu, Shiquan
 Hütter, Marek, 260
- Iha, K. *see* Mendonca, F. B.
- Jacob, Eldho, *see* Manoj, G.
 Jahagirdar, D.R. *see* Rao, V. Srinivasa
 Jain, Ajay, 533
 Jain, Amit, *see* Banerjee, M.
 Jaiswal, Janmejay, *see* Sen, Vijay Kumar
 Jithesh, V. *see* Sagayaraj, M. Justin
 Joshi, Makarand, *see* Gupta, Amit Kumar
 Junaid Basha, A.M. *see* Ramasamy, V.
- Kannan, K. *see* Lakshmi, K. Divya
 Kannapiran, B. *see* Gobi, K.
 Kanojia, Sanjay, *see* Srivastava, Alok Kumar
 Kapoor, Sonalee, *see* Amit
 Kaushik, Brajesh Kumar, *see* Khare, Sudhir
 Khare, Sudhir, 480
 Kim, Yoon Keon, 150
 Kratky, Miroslav, 460
 Krishnamurthy, R. *see* Chakraborty, Debasis
 Krist, Zbynek, *see* Balla, Jiri
 Kumar, D. *see* Ullas, A.V.
 Kumar, Narendra, *see* Singh, Abhay Kumar
 Kumar, Amit, 451
 Kumar, Arockia, *see* Gnanasambandam, Prabhu
 Kumar, Arun, 111, 597
 Kumar, Arvind, 197
 Kumar, Avnish, *see* Verma, Kamlesh
 Kumar, B. Praveen, 500

- Kumar, Bambam, *see* Sharma, Prabhat
 Kumar, C. R. S. *see* Ravishankar, Monica
 Kumar, D. *see* Ullas, A.V.
 Kumar, Girish, *see* Rao, V. Srinivasa
 Kumar, Hemanth V. *see* Shashidhara, B.P.
 Kumar, Jagath Rajesh, *see* Rahman, A. R. Hafeezur
 Kumar, P.V. Hareesh, *see* Anand, P.
 Kumar, P.V.S Ganesh, *see* Ramakrishn, V.
 Kumar, Praveen, 412
 Kumar, Rajni, *see* Gogoi, Tutul
 Kumar, Subodh, *see* Sharma, Ramesh
 Kumar, Sunil, 572
- Lakshmi, K. Divya, 473
 Le, Cong Ich, *see* Balla, Jiri
 Li, Xiaobo, *see* Liu, Jiajie
 Liashram, Robert, *see* Amit
 Lichorobiec, Stanislav, *see* Hütter, Marek
 Liu, Jiajie, 159
- Ma, Tianbao, *see* Wu, Jun
 Madhavan, Nampoothiri S., 326
 Madhu, V. *see* Savio, S. G.
 Magesh, G. *see* Shashidhara, B.P.
 Mainuddin, *see* Ansari, Mohd Yousuf
 Malik, Amit, *see* Kumar, Sunil
 Malik, H.K. *see* Kumar, Sunil
 Malik, Shaik Ameer, *see* Rahman, A. R. Hafeezur
 Mangain, Aditya Kumar, *see* Dixit, Awakash
 Mangalhara, J.P. *see* Jain, Ajay
 Manna, P. *see* Dharavath, Malsur
 Manoj, G., 487
 Marx, L.R. Karl, *see* Arun, V.
 Melsa, Pavel, *see* Balla, Jiri
 Mendonca, F. B. 138
 Meshram, Suresh D. 512
 Mishra, Pooja, *see* Singh, Abhay Kumar
 Mishra, G.K. *see* Thakur, Prabhanjan
 Mishra, Rajesh, *see* Thakur, Prabhanjan
 Mishra, Sanjay Kumar, *see* Dixit, Awakash
 Mittal, Gaurav, 300
 Moorthy, Yamuna K. 295
 Mukherjee, G. S. *see* Banerjee, M.
 Mukhopadhyay, Kingsuk, *see* Srivastava, Alok Kumar
 Murty, B.S. *see* Kumar, Praveen
 Muthaiah, R. *see* Lakshmi, K. Divya
- Naik, S. D. *see* Sudarsan, N. V.
 Nandi, Amarnath, *see* Sen, Vijay Kumar
 Nandy, Tapash Kumar, *see* Gnanasambandam, Prabhu
 Narang, Rajiv, *see* Thakur, Prabhanjan
 Neeraj, N. S. *see* Srivastava, Alok Kumar
 Neumann, Vlastimil, *see* Balla, Jiri
 Ning, Jianguo, *see* Wu, Jun
 Noh, Giseop, 282
- Oh, Hayoung, *see* Noh, Giseop
 Ou, Zhuo-Cheng, *see* Huang, Meng
- Özkan, Enis Naci, *see* Dursun, Tolga
- Padmanabhan, Panchu K., 175
 Parida, M. *see* Tripathi, Shivesh
 Patel, Nilesh, 26
 Pathak, N.P. *see* Tripathi, Shivesh
 Pathak, Nagendra Prasad, *see* Mittal, Gaurav
 Pati, Sukumar, *see* Singh, Kh. Gopal Krishna
 Pillai, Aravindakshan, *see* Sen, Vijay Kumar
 Pillai, Sakuntala S. *see* Moorthy, Yamuna K.
 Porwal, Vikash, *see* Dixit, Awakash
 Prabhakar, C. Sharada, 577
 Prakash, Anand, *see* Ansari, Mohd Yousuf
 Prasad, N. Eswara, *see* Srivastava, Alok Kumar
- Racek, Frantisek, *see* Balla, Jiri
 Raghavan, S. *see* Chaturvedi, Divya
see Kumar, Arvind
 Rahman, A. R. Hafeezur, 19
 Raj, Ankit, *see* Chakraborty, Debasis
 Rajan, K.M. *see* Kumar, B. Praveen
see Kumar, Praveen
 Rajmohan, M. *see* Padmanabhan, Panchu K.
 Ramakrishn, V. 604
 Ramakrishna, S. *see* Ramakrishn, V.
 Ramamurthy, N. V. 33, 265
 Ramasamy, V. 167
 Rameshbabu, P. Prabhakar, C. Sharada
 Ramkumar, Madhu A. 64
 Rao, D. Vijay, *see* Ravishankar, Monica
 Rao, G. Kumaraswamy, 70
 Rao, Sreehari, *see* Rao, G. Kumaraswamy
 Rao, V. Srinivasa, 519
 Rathod, Somsing, 553
 Ratnam, D. Venkata, *see* Harsha, P. Babu Sree
 Ravindra, B. *see* Jain, Ajay
 Ravishankar, Monica, 54
 Rawal, D.S. *see* Kumar, Sunil
 Rawal, Bhupender, *see* Kumar, B. Praveen
 Rawal, Dipendra Singh, *see* Amit
 Ray, K.P. *see* Rathod, Somsing
 Reddy, G. Madhusudhan, *see* Meshram, Suresh D.
 Rizwan, Asif, *see* Biswas, Diptiman
 Rocco, J.A.F.F. *see* Mendonca, F. B.
 Rocha, R. J. *see* Mendonca, F. B.
 Rokade, Vinaykumar, *see* Patel, Nilesh
 Roopchand, J. *see* Ramamurthy, N. V.
 Roshani, Dange, *see* Sagayaraj, M. Justin
 Roy, P. K. *see* Ullas, A.V.
- Sabu, Sebastian M. *see* Madhavan, Nampoothiri S.
 Sagayaraj, M. Justin, 183
 Said, M. Sherif, 438
 Sajith, Kumar P.C. *see* Madhavan, Nampoothiri S.
 Sanwale, Jitu, 241
 Sarsar, R. B. *see* Sudarsan, N. V.
 Sathe, Manisha, *see* Thakare, Vikash B.
 Savio, S. G. 76

- Ščurek, Radomír, *see* Hütter, Marek
 Sen, Vijay Kumar, 337
 Shah, Vaibhav, *see* Chakraborty, Debasis
 Sharma, Amit, *see* Jain, Ajay
 Sharma, P. K. *see* Ullas, A.V.
 Sharma, P. *see* Ullas, A.V.
 Sharma, Pankaj, *see* Srivastava, Alok Kumar
 Sharma, Prabhat, 316
 Sharma, R. *see* Tiwari, B.K.
 Sharma, Rajesh K. *see* Amit
 Sharma, Ramesh, 401
 Sharma, Sunil, *see* Amit
 Shashidhara, B.P. 425
 Shiny, G. *see* Moorthy, Yamuna K.
 Singh, Abhay Kumar, 467
 Singh, Ashutosh Kumar, *see* Gaur, Hari Mohan
 Singh, Beer, *see* Thakare, Vikash B.
 Singh, Dhan Jeet, *see* Sanwale, Jitu
 Singh, Dharmendra, *see* Sharma, Prabhat
 Singh, J.B. *see* Sagayaraj, M. Justin
 Singh, Kh. Gopal Krishna, 218
 Singh, Manoj Kumar, *see* Singh, Abhay Kumar
 Singh, Manvendra, *see* Khare, Sudhir
 Singh, Virendra V. *see* Thakare, Vikash B.
 Sivakumar, Palanivel, *see* Rahman, A. R. Hafeezur
 Sona O. Kundukulam, *see* Manoj, G.
 Sreenivasulu, K. *see* Rathod, Somsing
 Srinivasa, K.G. *see* Sagayaraj, M. Justin
 Srivastava, Alok Kumar, 98
 Srivastava, Hari, *see* Sharma, Ramesh
 Sudarsan, N. V. 144
 Sudhendra, Chandrika, *see* Ramkumar, Madhu A.
 Sundar, R. *see* Padmanabhan, Panchu K.
 Suri, Alka, 3
- Taneja, S. B. *see* Bisht, Sanjay
 Tang, Qizhong, *see* Zhu, Shiquan
 Tanwar, R.K. *see* Thakur, Prabhanjan
 Tapas, Anand M. *see* Lakshmi, K. Divya
- Taraszewski, Michal, 445
 Thakare, Vikash B. 83
 Thakur, Prabhanjan, 432
 Tiwari, B.K. 589
 Tiwari, K.C. *see* Yadav, Deepti
 Tong, Yi , *see* Huang, Meng
 Tripathi, Nagesh K. *see* Thakare, Vikash B.
 Tripathi, Shivesh, 547
- Ullas, A.V. 210
 Urgessa, G. *see* Mendonca, F. B.
 Utlu, Çağrıhan, *see* Dursun, Tolga
- Vahedi, Mohammad, *see* Hedayati, Ehsan
 Valarmathi, K. *see* Gobi, K.
 Varkey, Aliyas Areeckal, *see* Sen, Vijay Kumar
 Varughese, Suma, *see* Annapurna, Sogunuru
 Velmurugan, R. *see* Gupta, Amit Kumar
 Venkatesan, V. 12
 Verma, Kamlesh, 307
 Vikram, Pradapan, *see* Annapurna, Sogunuru
 Vinayagam, B. K. *see* Ramamurthy, N. V.
 Vinayak, Seema, *see* Amit
see Kumar, Sunil
- Wang, Jialai, *see* Singh, Kh. Gopal Krishna
 Wang, Tao, *see* Liu, Jiajie
 Wang, Tongqing, *see* Liu, Jiajie
 Wang, Weiping, *see* Liu, Jiajie
 Wu, Jun, 347
- Xu, Lizhi, *see* Cheng, Chun
- Yadav, Deepti, 540
- Zhu, Shiquan, 583