**RESUME**

Name : **DR. ASINI KUMAR BALIARSINGH**

Father’s Name : Sri Kailash Baliarsingh

Permanent Address : At-Kailash Nivas

Mahatab Road, Old Town,

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Present Address : -Same as above -

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E-mail Id : asinibaliarsingh@yahoo.co.in

asinikumar333@gmail.com

Date of Birth : 17th July 1977

Educational Qualification :

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| --- | --- | --- | --- | --- |
| **Exam passed** | **Board/University** | **Year of Passing** | **% of Mark** | **Division** |
| 10th | B.S.E, Odisha | 1992 | 77% | 1st |
| +2 Sc. | C.H.S.E, Odisha | 1994 | 62% | 1st |
| B.E. (Electrical) | Utkal Univ., Odisha | 1998 | 63% | 1st |
| M.Tech.  (Power System Engg.) | NIT, Jamshedpur | 2001 | 7.88/10 | 1st |
| Ph.D.  (Power System Engg.) | KIIT University, Odisha | 2010 | — | Awarded |

Religion : Hindu

Sex : Male

Nationality : Indian

Marital Status : Married

Language Known : Odia, English & Hindi

Occupation : Associate Professor in Electrical Engineering at Govt. College of Engineering , Kalahandi.

Teaching Experience : (From 23.03.2001 to till now)

Teacher’s Regd. No(BPUT): T081921114

Specialization : Power System Engineering

Area of Interest : Flexible AC transmission system (FACTS), Power systems, power system stability, Genetic algorithm, Particle swarm optimization, Differential Evolution, Multi objective optimization, Economic operation of power system, Distributed generation.

Subject Teaching : Basic Electrical Engineering, Electrical Machine, Power Station Engineering, Power System Protection, Power System Operation & Control, Renewable Energy Sources, Electrical & Electronics Measurement.

No. of M.Tech. Students guide : 04 (Awarded)

No. of Ph.D Students guide : 01

Title of Ph.D. Thesis : Improvement of Dynamic and Transient Stability of a power system using FACTS Controller.

(a) Paper Published in International Journal:

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| --- | --- | --- |
| **Sl.No** | **Title** | **Name of the Journal** |
| 1 | Supplementary damping controller design for SSSC to mitigate sub- synchronous resonance. | Elsevier Journal of Mechanical system and Signal processing.  Vol-68-69,2016 P-523-535 |
| 2 | Load frequency control of power system under deregulated environment using optimal firefly algorithm. | Elsevier Journal of Electrical Power and Energy system.  Vol-74,2016 P-195-211 |
| 3 | UPFC Supplementary Controller Design using Real-coded Genetic Algorithm for Damping Low Frequency Oscillations in Power Systems | International Journals of Electrical power and Energy Systems Engineering, Vol-3, No-3, PP-165-175,2010 |
| 4 | Robust FACTS Controller Design Employing Modern Heuristic Optimization Techniques | World Academy of Science, Engineering & Technology- 56: 2011 |
| 5 | Design of SSSC based Damping Controller Employing Real-Coded Genetic Algorithm | World Academy of Science, Engineering & Technique, Vol-(51),2011 |
| 6 | SSSC- based Controller Design Employing a multi-objective Optimization Techniques | International Journal of Modeling Identification and Control, Vol-18, N0-3, 2013 |
| 7 | Differential Evolution Algorithm for simultaneous tuning of excitation and FACTS- based Controller | International Journal of Bio- Inspired Computation, Vol-2, No-6, 2010 |
| 8 | Real Coded Genetic Algorithm for Robust- Coordinated Design of Excitation and SSSC- based Controller | Journal of Electrical Engineering, Vol-8(4), 2008 |
| 9 | Multi-objective Optimization with Fuzzy based Ranking for TCSC- Supplementary Controller for improve Rotor Angle and Voltage Stability | International Journal of Electrical Power and Energy Systems Engineering, 2:1:2009 |
| 10 | Optimal Supplementary Damping Controller Design for TCSC Employing RCGA | International Journal of Computational Intelligence ,5:1, 2009 |
| 11 | Calculation of Inter harmonics of Time Varying Load using Lab view. | ISOR Journal of Engineering, Vol-3, Issue 2(Feb-2013), PP 29-33 |
| 12 | Error Analysis for Networks Supplying Unbalanced Nonlinear Load | ISOR Journal of Engineering, Vol-3, Issue-6 (June-2013), PP 44-53 |
| 13 | Solving Economic load dispatch using WIPSO | ISOR Journal of Engineering |

B. Paper Published in Conference Proceeding/ Seminar:

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| 1 | Application of PSO technique for design of FACTS controller | International Conference PSACO,  (Andhra University),March-2008 |
| 2 | Power system stability improvement by DE-optimized TCSC based controller | International Conference RCIC- 2008  Mexico, Jan-2008 |
| 3 | Impact of Wind speed changes on generation and consumption of Active and Reactive Power | National Conference ( PTU)  March- 2009 |
| 4 | A survey of Iterative learning control | National Conference,  KIIT University-2012 |
| 5 | Improvement of transient stability of a power system | National Seminar NMIET,  BBSR-2007 |
| 6 | Simultaneous tuning of excitation & based controller employing RCGA | National Seminar KEC,BBSR-2008 |
| 7 | Preventive measures of energy theft & prevention | National Seminar ITER,BBSR--2003 |
| 8 | Utilization of power system with reduction of reactive power in medium industry | National Seminar Institution of Engineers collaboration with KIIT University-2007 |
| 9 | Impact of Wind speed changes on generation & consumption of active and reactive power | National Seminar REC,BBSR-2008 |
| 10 | Coordinated Design of Multi power system stabilizers using PSO technique | National Seminar ,Institution of Engineers collaboration with KIIT University-2008 |
| 11 | Preventive measures of energy pilferation & conservation | National Seminar , Institution of Engineers in collaboration with KIIT University-2007 |

(c) Workshop/Summer School/ Winter School Attended/ Organised:

1. National Workshop on “Mission lox” organized by “ISTE & WIPRO” at C.V.

Raman College of Engineering, BBSR from 29th March to 2nd April 2010.

2. Short term training programme on “Modeling & simulation of Electrical circuit” organized by NITTTR, Kolkata from 21-6-10 to 25-06-10 at Kolkata.

3. National Symposium on “Emerging trends in power energy systems” organized by NIST, Berhampur from 4th July to 5th July 2009.

4. AICTE staff development programme in “Modern Power System Operation &

Control” organized by C.V. Raman College of Engineering, BBSR from 3rd August to 15th August 2009.

5. AICTE staff development programme on “Advanced control system technique & their applications” organized by NIT, Rourkela from 25th June to 6th July2007.

6. Short term course on “Mat Lab, Simulink & Lab view for Engg. Applications” organized by NIT, Rourkela from 19th Feb. to 23rd Feb, 2007.

7. Short term course on “Induction Training Programme Module-I” organized by TTTI, Kolkata from 18-12-2001 to 28-12-2001.

8. Staff Development Programme on “Power System Operation & Control (PSOC-2012)” organized by GIFT, BBSR from 4th July to 6th July2012.

9. Short term training programme on “ Modern Trends in Communication Techniques” organized by ISTE, Delhi at KIIT, BBSR from 26th March to 30th March 2007.

10. Staff Development Programme on “Recent trends in Medical Imaging using VLSI” organized by Orissa Engineering College, BBSR from 19th to 31st December 2011.

11. Organised a Faculty Development Programme on “Recent Trends in Power Quality Improvement” at Orissa Engineering College, BBSR from 2nd -14th December 2013.

(d) **Awards Received:**

Madhusudan Memorial Award from Institution of Engineers, Bhubaneswar on 19th February, 2017

(e) Membership : (1) Life Member in ISTE (2) MIE of Institute of Engineers

**DECLARATION**

I do hereby declare that the above facts are true to the best of my knowledge and belief.

Dr.A.K.Baliarsingh

**Signature**