

**FACULTY MEMBER ACADEMIC PROFILE**

1. **Name of the Faculty member:** BISHWAJIT PAUL
2. **Designation:** Assistant Professor in Physics (W.B.E.S.)
3. **Qualification:** M.Sc. (Burdwan University)
4. **Specialization:** Radio Physics and Electronics
5. **E-mail address:** bishwajitkgc@gmail.com
6. **Date of Joining in W.B.E.S.:** 08.06.2009
7. **Date of Joining in this College:** 08.06.2009
8. **Total Teaching experience in College level:** 8+ years
9. **Research interests:** Nonlinear dynamics and Chaos
10. **Title of thesis (Ph.D.) with year:** N.A. Pursuing Ph.D. from University of Burdwan
11. **Research guidance:** Nil
12. **Research Projects (Completed and ongoing):** Nil
13. **List of publications:**

**A) Published papers in Journals:**

1. "Bifurcation, Chaos and their Control in a time-delay digital Tanlock Loop", T. Banerjee, **B. Paul** and B. C. Sarkar, *International Journal of Bifurcation and Chaos*, **2013**, 23 (8), 1330029 (19pages) [ISSN 0218-1274; **IF: 0.92**].
2. "Spatiotemporal dynamics of a digital phase-locked loop based coupled map lattice system", T. Banerjee, **B. Paul** and B. C. Sarkar, *CHAOS*, **2014**, 24, 013116 [ISSN 1054-1500; **IF: 2.188**].
3. "Spatiotemporal Dynamics of a Network of Coupled Time-Delay Digital Tanlock Loops", **B. Paul**, T. Banerjee and B. C. Sarkar, *International Journal of Bifurcation and Chaos*, May, **2016**, Vol. 26, No. 5, 1650076 (17 pages) [ISSN 0218-1274; **IF: 0.92**].

**B) Conference Proceedings:**

1. "Chaos and Bifurcation in a Time Delay Tanlock Loop", T. Banerjee, **B. Paul** and B. C. Sarkar, *Proceedings of the International Conference on Laser, Material Science & Communication (ICLMSC-2011)*, Department of Physics, The University of Burdwan, 7-9<sup>th</sup> December, **2011**, 305-308 [ISBN 978-93-80813-14-1].
2. "Range Extension of a Time Delay digital Tanlock Loop by Time-Delayed Feedback Control Method", T. Banerjee, **B. Paul** and B. C. Sarkar, *Proceedings of the National Conference on Material Device and Circuit in Communication Technology (MDCCT-2012)*, Department of Physics, The University of Burdwan, 6-7<sup>th</sup> February, **2012**, 97-100 [ISBN 978-93-80663-36-4].

14. **Membership of Learned Societies/ Editorial Boards, etc.:** Nil
15. **Patents:** Nil
16. **Awards:** Nil

17. **Other notable activities:** Nil

18. **A) Participation in Seminars/Symposia/Conferences/Workshops:**

1. **Presented a paper** entitled “*Chaos and Bifurcation in a Time Delay Tanlock Loop*” in the **International Conference** on ‘*Laser, Material Science and Communication (ICLMSC-2011)*’, organised by Department of Physics, University of Burdwan on **7<sup>th</sup> -9<sup>th</sup> December, 2011**.
2. **Presented a paper** entitled “*Range Extension of a Time Delay Digital Tanlock Loop by Time-Delayed Feedback Control Method*” in the **National Conference** on ‘*Materials, Devices and Circuits in Communication Technology*’, organised by Department of Physics, University of Burdwan on **6<sup>th</sup> -7<sup>th</sup> February, 2012**.
3. **Presented a Poster** entitled “*Digital Phase-locked Loop Based Coupled Map Lattice System*” in the **4<sup>th</sup> International Conference** on ‘*Complex Dynamical Systems and Applications (CDSA-2016)*’, organised by Department of Mathematics, National Institute of Technology, Durgapur, on **15<sup>th</sup> -17<sup>th</sup> February, 2016**.

**B) Participation in OP/RC:**

1. Participated in the UGC sponsored **Orientation Programme** (91<sup>st</sup> OP), organised by Academic Staff College, University of Burdwan from **04<sup>th</sup> to 31<sup>st</sup> July, 2013**.
2. Participated in the UGC sponsored **6<sup>th</sup> Refresher Course** on ‘*ICT*’, organised by Academic Staff College, University of Burdwan from **26<sup>th</sup> November to 16<sup>th</sup> December, 2014**.