6th International Conference Futuristic Trends in Networks and Computing Technologies (FTNCT'06)

Date of Conference: 23-24th December, 2024

VENUE: Graphic Era Hill University (GEHU), Haldwani Campus, Uttarakhand, India

Conference Website : www.ftnct.com

Important dates

Submission of Full Papers Deadline	20 November, 2024
Notification of Acceptance Deadline	30 November, 2024
Registration Deadline	10 December, 2024
Conference Dates	23-24th December, 2024

Submission Link; https://cmt3.research.microsoft.com/FTNCT2024

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Special Session	**Session Code: SS01 Dr. Wei Chiang Hong**
Special Session Chairs	**Dr. Wei Chiang Hong, Asia Eastern University of Science and Technology, Taiwan**
Session Chair Email	samuelsonhong@gmail.com
Title of Special Session	**Advancing Forecasting Techniques with Support Vector Regression, Evolutionary Algorithms, and Chaos Theory in Time Series Analysis**
Keywords	Support Vector Regression, Evolutionary Algorithms, Chaos Theory, Time Series Analysis, Forecasting
Topics/ Sub-topics	This special session aims to explore cutting-edge methodologies in time series analysis and forecasting by integrating advanced computational techniques and theoretical frameworks. Central to the discussion will be the application of Support Vector Regression (SVR) to enhance forecasting accuracy, leveraging its robustness in handling non-linear data relationships. The session will also delve into the synergy between SVR and Evolutionary Algorithms (EAs), which can optimize model parameters and improve prediction performance. By

	incorporating Chaos Theory, we seek to better understand and manage the inherent unpredictability in time series data, facilitating more reliable and insightful forecasting models. In addition to theoretical advancements, this session will focus on practical implementations and case studies showcasing how these integrated approaches can solve complex forecasting problems in diverse domains, including finance, climate science, and network traffic prediction. We aim to foster collaboration and knowledge exchange among researchers and practitioners, driving forward innovative solutions and methodologies in the realm of time series forecasting and analysis. Original unpublished articles are invited for submission to following tracks including the following themes and topics, but are not limited to: **Theme 1 - Network and Computing Technologies and related topics.** **Theme 2 – Wireless Networks and Internet of Things (IoT) and related topics.** **Theme 3- Futuristic Computing Technologies and related topics.** **Theme 4– Communication Technologies, Security and Privacy and related topics.** **Topics;** 1. **Optimization of Support Vector Regression Models Using Evolutionary Algorithms** 2. **Incorporating Chaos Theory in Time Series Forecasting** 3. **Hybrid Approaches: Combining SVR and Evolutionary Algorithms for Improved Forecasting Accuracy** 4. **Applications of Time Series Forecasting in Networking Technologies** 5. **Real-world Case Studies: Implementing Advanced Forecasting Techniques in Industry** 6. **Challenges and Future Directions in Time Series Analysis and Forecasting**

Conference Contact; { ftnct2018@gmail.com}, **Whatsapp Only (+91-8920199069)**

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