Sudip Phuyal

Research Assistant
ISTAR-Iscte - Information Sciences, Technologies and Architecture Research Centre (ISTA)
[Software Systems Engineering]

Contacts

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Curriculum

Sudip Phuyal, with a degree in Electrical and Electronics Engineering and a Master's degree in Computer Based Control, is a researcher at the Technologies and Architecture Research Center (ISTAR).He has worked in design and development of Low-Cost SCADA system for the medium and small scale industries. He has also the experience working as the consultant IT expert for the Government of Nepal and also has an experience as leading the team as project manager.

Research Interests

- Blockchain Technology
- Health Informatics
- Electronic Health Records

Academic Qualifications

University/Institution	Type	Degree	Period
Kathmandu University	M.Sc.	Master of Science in Electrical and Electronics Engineering	2020

Wroclaw University of Science and Technology	M.Sc.	Master of Engineering in Production Management	2019
Pokhara University	Bachelor of Science	Bachelor of Electrical and Electronics Engineering	2016

Total Citations

Web of Science®	400
Scopus	499

Publications

- **Scientific Journals**

- Scientific journal paper

1	Marahatta, A. , Rajbhandari, Y., Shrestha, A. , Phuyal, S. , Thapa, A. & Korba, P. (2022). Model predictive control of DC/DC boost converter with reinforcement learning. Heliyon. 8 (11) - Times Cited Web of Science®: 29 - Times Cited Scopus: 39 - Times Cited Google Scholar: 40
2	Pokhrel, B. B., Shrestha, A., Phuyal, S. & Jha, S. K. (2021). Voltage profile improvement of distribution system via integration of distributed generation resources. Journal of Renewable Energy, Electrical, and Computer Engineering. 1 (1), 33-41 - Times Cited Web of Science®: 9 - Times Cited Google Scholar: 18
3	Sudip Phuyal, Jan Izykowski, Diwakar Bista & Rabindra Bista (2021). Internet of Things in Power Industry: Current Scenario of Nepal. International Journal of Internet of Things and Web Services. - Times Cited Google Scholar: 10
4	Phuyal, S., Bista, D. & Bista, R. (2020). Challenges, opportunities and future directions of smart manufacturing: A state of art review. Sustainable Futures. 2, 100023 - Times Cited Web of Science®: 233 - Times Cited Scopus: 313 - Times Cited Google Scholar: 507
5	Karki, A., Phuyal, S., Tuladhar, D., Basnet, S. & Shrestha, B. (2020). Status of pure electric vehicle power train technology and future prospects. Applied System Innovation. 3 (3), 35 - Times Cited Web of Science®: 78 - Times Cited Scopus: 102 - Times Cited Google Scholar: 144
6	Phuyal, P. , Bista, D. , Izykowski, J. & Bista, R. (2020). Design and implementation of cost efficient SCADA system for industrial automation. International Journal of Engineering and Manufacturing. 10 (2), 15-28 - Times Cited Web of Science®: 16 - Times Cited Google Scholar: 51

7	Rana, L. B., Shrestha, A., Phuyal, S., Mali, B. , Lakhey, O. & Maskey, R. K. (2020). Design and performance evaluation of series hybrid electric vehicle using backward model. Journal of Engineering. 2020 (11), 1095-1102 - Times Cited Web of Science®: 4 - Times Cited Google Scholar: 10
8	Ashish Shrestha, Sudip Phuyal, Pramish Shrestha, Bijen Mali & Lalit Bickram Rana (2018). Comparative Analysis of Regenerative Power and Fuel Consumption of Hybrid Electric Vehicle. Journal of Asian Electric Vehicles. 16 (2), 1799-1809 - Times Cited Web of Science®: 6 - Times Cited Google Scholar: 10

• Conferences/Workshops and Talks

- Publication in conference proceedings

1	Phuyal, S., Bista. R., Izykowski, J. & Bista, D. (2020). Performance analysis of new SCADA interface developed in C# environment. In 2020 IEEE International Students' Conference on Electrical, Electronics and Computer Science, SCEECS 2020. (pp. 1-4). Bhopal, India: IEEE. - Times Cited Scopus: 7 - Times Cited Google Scholar: 8
2	Shrestha, A., Karki, N., Yonjan, R., Subedi, M. & Phuyal. S. (2020). Automatic Object Detection and Separation for Industrial Process Automation. In 2020 IEEE International Students' Conference on Electrical, Electronics and Computer Science. (pp. 1-5). Bhopal, India: IEEE. - Times Cited Scopus: 5 - Times Cited Google Scholar: 8
3	Karki, A., Shrestha, B., Tuladhar, D., Basnet, S., Phuyal, S. & Baral, B. (2019). Parameters matching for electric vehicle conversion. In 2019 IEEE Transportation Electrification Conference (ITEC-India). (pp. 1-5). Bengaluru, India: IEEE. - Times Cited Web of Science®: 8 - Times Cited Scopus: 8 - Times Cited Google Scholar: 14
4	Ashish Shrestha, Lalit Bickram Rana, Ajay Singh, Sudip Phuyal, Anil Ghimire, Roshan Giri...Shailendra Kumar Jha (2019). Assessment of electricity excess in an isolated hybrid energy system: A case study of a Dangiwada village in rural Nepal. In Energy Procedia. (pp. 76-83).: Elsevier BV. - Times Cited Web of Science®: 17 - Times Cited Scopus: 25 - Times Cited Google Scholar: 35