



Mr Joe Butchers

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Summary

My research is focused on understanding methods to improve the reliability and sustainability of micro-hydropower in Nepal. I am interested in the connection of technical, social and economic factors that affect how a hydropower plant performs. By considering how projects are developed, the capabilities of stakeholders and their relationships to the technology, I hope to develop new approaches to local manufacture and project implementation.

Memberships

Organisations

[Department of Mechanical Engineering](#)

Other sites

- [Mecheng](#)

Research Groups

- [Electrical Energy Management](#)
- [Engineering for International Development - Core](#)

Recent publications

- Butchers, J, Williamson, S, Tran, A, Booker, J, Gautam, B & Karki, PB, 2019, '[A Study of Technical, Economic and Social Factors Affecting Micro-Hydropower Plants in Nepal](#)'. in: *2018 IEEE Global Humanitarian Technology Conference (GHTC 2018): Proceedings of a meeting held 18-21 October 2018, San Jose, California, USA*. Institute of Electrical and Electronics Engineers (IEEE), pp. 446-453
- Butchers, J, Williamson, S, Booker, J, Tran, A, Gautam, B & Karki, PB, 2018, '[A study of micro-hydropower plants in Nepal: Sustainability from technical, economic and social perspectives](#)'. in: *2018 5th International Conference on the Developments in Renewable Energy Technology (ICDRET 2018)*. Institute of Electrical and Electronics Engineers (IEEE)

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