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Type: **Poster Presentation**

An automated temperature control model for a well-mixed biomass reactor

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A mathematical model for temperature control in a continuously stirred tank reactor is developed. The strategy used involves a coil immersed in a coolant which proves to provide sufficient heat removal by controlling the coolant flow rate in exponential mode. The approach shows that specific ranges of exponents for the coolant flow rate must be used for the reactor to operate optimally.

**Level (Hons, MSc,
 PhD, other)?**

PHD

**Consider for a student
 award (Yes / No)?**

YES

**Would you like to
 submit a short paper
 for the Conference
 Proceedings (Yes / No)?**

YES

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