# The System SOL version 2020

- ▷ Haskell-based tool for analysing confluence and termination
- ▷ Authors: Makoto Hamana (Main developer, Gunma University)
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- ▷ References:
  - **Polymorphic computation systems: Theory and practice of confluence with call-by-value**, Hamana. Science of Computer Programming, Vo.187, 2020.
  - **How to prove decidability of equational theories with second-order computation analyser SOL**, Hamana, Abe, Kikuchi. Journal of Functional Programming, Vol. 29, e20, 2019.
- ▷ CR: Knuth and Bendix's critical pair checking
  using Functions-as-Constructors unification (FCU) [Libal,Miller'16]
- ▷ SN: - the General Schema criterion [Blanqui, RTA'00,TCS'16]
  - Modular termination of second-order computation systems
- ▷ Contact Hamana (`hamana@gunma-u.ac.jp`)
  if you are interested in/want to use SOL