

Names of XCHAN Implementations

Fringe Presentation

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Abstract. Two names for possible XCHAN implementations are suggested. The original presentation [1] describes the “*classic*” scheme where the `xchan-ready` channel is used only if the original sending fails. The `occam- π` model [2,3] uses the “*pre-confirmed*” scheme, where a signal on `xchan-ready` is a necessary precondition to any communication. It is believed that “*feathering*” [4] seems to be possible only with the classic scheme.

Keywords. XCHAN, implementation, classic, pre-confirmed, `occam-pi`, feathering.,

References

- [1] Ø. Teig. XCHANS: Notes on a New Channel Type. In *Communicating Process Architectures 2012*, pages 155–170. Open Channel Publishing, August 2012.
- [2] P. H. Welch. An occam Model of XCHANS. In *Communicating Process Architectures 2013*. Open Channel Publishing, August 2013. *Fringe presentation*.
- [3] P. H. Welch. An occam Model of XCHANS, 2013. https://www.cs.kent.ac.uk/research/groups/plas/wiki/An_occam_Model_of_XCHANS.
- [4] Ø. Teig. Selective Choice “Feathering” with XCHANS. In *Communicating Process Architectures 2013*. Open Channel Publishing, August 2013.

¹The author works with concurrent software for fire detection systems, but this “industrial paper” does not necessarily reflect views taken by the company. See: <http://www.teigfam.net/oyvind/work/work.html> and <http://www.autronicafire.com>.

