

## List of Publications

### Books

- [B1] T. Hägglund. *New Estimation Techniques for Adaptive Control*. PhD thesis ISRN LUTFD2/TFRT--1025--SE, Department of Automatic Control, Lund University, Sweden, December 1983.
- [B2] K. J. Åström and T. Hägglund. *Automatic Tuning of PID Controllers*. Instrument Society of America, Research Triangle Park, North Carolina, 1988.
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- [B5] K. J. Åström and T. Hägglund. *PID Controllers: Theory, Design, and Tuning*. Instrument Society of America, Research Triangle Park, North Carolina, 1995.
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- [B7] K. K. Tan, Q. G. Wang, C. C. Hang, and T. Hägglund. *Advances in PID control*. Springer Verlag, 1999.
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- [B10] K. J. Åström and T. Hägglund. *Control PID Avanzado*. Pearson Educación, Madrid, 2009.
- [B11] T. Hägglund. *Praktisk processreglering (4 uppl.)*. Studentlitteratur AB, Lund, Sweden, 2019.
- [B12] T. Hägglund. *Process Control in Practice*. De Gruyter Textbook. De Gruyter, Germany, August 2023.

### Journal Papers and Book Contributions

- [P1] K. J. Åström and T. Hägglund. "Automatic tuning of simple regulators with specifications on phase and amplitude margins." *Automatica*, **20**, pp. 645–651, 1984.
- [P2] L. Bååth and T. Hägglund. "Autotunern – den flexibla regulatorn (the autotuner – the flexible controller)." *Automation*, **1**, pp. 18–20, 1986.
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- [P4] T. Hägglund and K. J. Åström. “Industrial adaptive controllers based on frequency response techniques.” *Automatica*, **27**, pp. 599–609, 1991.
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- [P6] K. J. Åström, T. Hägglund, C. C. Hang, and W. K. Ho. “Automatic tuning and adaptation for PID controllers—A survey.” *Control Engineering Practice*, **1:4**, pp. 699–714, 1993.
- [P7] K. J. Åström, T. Hägglund, and A. Wallenborg. “Automatic tuning of digital controllers with applications to HVAC plants.” *Automatica*, **29**, pp. 1333–1343, 1993.
- [P8] T. Hägglund. “A control-loop performance monitor.” *Control Engineering Practice*, **3**, pp. 1543–1551, 1995.
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- [P10] T. Hägglund and K. J. Åström. “Automatic tuning of PID controllers.” In *The Control Handbook*. CRC Press and IEEE Press, 1996.
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- [P77] F. García-Mañas, J. Guzmán, F. Rodríguez, M. Berenguel, and T. Hägglund. “Experimental evaluation of feedforward tuning rules.” *Control Engineering Practice*, **114**, 2021.
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- [C17] T. Hägglund. “Level estimation in ships based on fault detection.” In *IFAC/IMACS Symposium on Fault Detection, Supervision and Safety for Technical Processes*, Baden-Baden, FRG, 1991.
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