

### **Comparison of LPV and nonlinear system theory : a realization problem**

**Belikov, Juri; Kotta, Ülle; Tönso, Maris** Systems & control letters 2014 / p. 72-78 <https://doi.org/10.1016/j.sysconle.2013.10.009>  
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### **Minimal realizations of nonlinear systems**

**Kotta, Ülle; Moog, Claude; Tönso, Maris** Automatica 2018 / p. 207-212 <https://doi.org/10.1016/j.automatica.2018.05.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The minimal time-varying realization of a nonlinear time-invariant system?**

**Kotta, Ülle; Moog, Claude H.; Tönso, Maris** 9th IFAC Symposium on Nonlinear Control Systems 2013 : Toulouse, France, 4 - 6 September 2013 2013 / p. 518 - 523 <https://doi.org/10.3182/20130904-3-FR-2041.00080> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **Predictive smart thermostat controller for heating, ventilation, and air-conditioning systems**

**Soudari, Mallikarjun; Kaparin, Vadim; Srinivasan, Seshadhri; Seshadhri, Subathra; Kotta, Ülle** Proceedings of the Estonian Academy of Sciences 2018 / p. 291-299 : ill [http://www.kirj.ee/public/proceedings\\_pdf/2018/issue\\_3/proc-2018-3-291-299.pdf](http://www.kirj.ee/public/proceedings_pdf/2018/issue_3/proc-2018-3-291-299.pdf)  
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### **Realization of discrete-time nonlinear input-output equations : polynomial approach**

**Kotta, Ülle; Tönso, Maris** Automatica 2012 / p. 255-262 <https://www.sciencedirect.com/science/article/pii/S0005109811005413>

### **Realization of nonlinear MIMO system on homogeneous time scales**

**Belikov, Juri; Kotta, Ülle; Tönso, Maris** European journal of control 2015 / p. 48-54 <https://doi.org/10.1016/j.ejcon.2015.01.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Remarks on the realization of time-varying systems**

**Kotta, Ülle; Moog, Claude; Tönso, Maris** Proceedings of the Estonian Academy of Sciences 2018 / p. 208-216  
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