

Publication List Professor Dr Ir Andrzej K. Hajdasinski

Journal articles

Busschbach, Jan; Paul M.J. van den Hof; Andrzej K. Hajdasinski. "A cognitive human operator model : the single input single output case." *International Journal of Systems Science* 16.3 (1985): 337-350.

Damen, Ad A.H.; R.P. Guidorzi; Andrzej K. Hajdasinski; Paul M.J. van den Hof. "On multivariable partial realizations." *International Journal of Control* 41.3 (1985): 589-613.

Damen, Ad A.H.; Andrzej K. Hajdasinski. "Approximate realizations based upon an alternative to the Hankel Matrix : page matrix." *System & Control Letters* 2.4 (1982): 202-208.

Hajdasinski, Andrzej K. "Structures of multivariable control Systems : refreshing paper." *Journal A* 23.4 (1982).

Hajdasinski, Andrzej K. "Estimation of the order of multivariable dynamical systems." *Journal A* .1 (1980).

Books

Hajdasinski, Andrzej K. *Control systems laboratory*. Wydawnictwa Politechniki Slaskiej, 1979.

Hajdasinski, Andrzej K.; A. Niederlinski; J. Klamka; B. Wojciechowski; W. Cichocki. *Control systems laboratory* [in Polish]. Gliwice: Wydawnictwa Politechniki Slaskiej, 1979.

Hajdasinski, Andrzej K. *Identification of MIMO dynamical systems using the realization theory* [in Polish]. 1979.

Ph.D Thesis, Gliwice University of Technology, Poland, June 1979

Hajdasinski, Andrzej K. *Systemy ze Sprzezeniem Zwrotnym*. 1976.

Polish translation by A.K. Hajdasinski of "Feedback systems" by J.B. Cruz published by McGrawHillBooks, 1974.

Hajdasinski, Andrzej K. *Analysis of the dynamics of nonlinear function generator based on sampling of the time functions* [in Polish]. 1970.

M.Sc. Thesis Gliwice University of Technology, Poland

Working papers

Hajdasinski, Andrzej K. *The Gauss-Markov approximated scheme for identification of multivariable dynamical systems via the realization theory : an explicit approach*. Technical report ; TH-78-E-88.

Eindhoven: University of Technology, 1986. ISBN 9061440882

<http://alexandria.tue.nl/extra1/erap/publichtml/8009999.pdf>

Hajdasinski, Andrzej K.; Pieter Eykhoff; Ad A.H. Damen. *The choice and use of different model sets for system identification*. Eindhoven: University of Technology, 1982.

Internal Report, Dept.EE, Group ER

Damen, Ad A.H.; Paul M.J. van den Hof; Andrzej K. Hajdasinski. *The page matrix : an excellent tool for noise filtering of Markov parameters, order testing and realization*. EUT report. E, Fac. of Electrical Engineering ; 82-E-127. Eindhoven: University of Technology, 1982.

Damen, Ad A.H.; Andrzej K. Hajdasinski. *Practical tests with different approximate realizations based on the singular value decomposition of the Hankel matrix*. Eindhoven: University of Technology, 1982.

Internal Report, Dept.EE Group ER

Hajdasinski, Andrzej K. Linear multivariable systems : preliminary problems in mathematical description, modelling and identification. EUT report. E, Fac. of Electrical Engineering ; 80-E-106. Eindhoven: University of Technology, 1980.

Hajdasinski, Andrzej K., Ad A.H. Damen. Realization of the Markov parameter sequences using the singular value decomposition of the Hankel matrix -. TH report 79-E-95. Technische Hogeschool Eindhoven, 1979. ISBN 9061440955
<http://alexandria.tue.nl/extra1/erap/publichtml/8009992.pdf>

Hajdasinski, Andrzej K. A Markovparameter approach to identification of multivariable dynamical systems. Eindhoven: University of Technology, 1976.

Conference proceedings

Hajdasinski, Andrzej K.; R. Topp. Statistic process control als essentieel hulpmiddel bij kwaliteitsbeheersing en verbeteringsprocessen. Proceedings of the Conference Quality and Certification in Chemical Industry, October - November, 1991. Institute for International Research and Strategic Management, 1991.

Hof, Paul M.J. van den; Ad A.H. Damen; Andrzej K. Hajdasinski. Multivariable partial realization and the aspects of uniqueness. Proceedings of the 9th IFAC World Congress, July 2 - 6, 1984, Budapest, Hungary. 1984.

Hajdasinski, Andrzej K.; Paul M.J. van den Hof; Ad A.H. Damen. Naive approximate realizations of noisy data. Proceedings of the 9th IFAC World Congress, July 2 - 6, 1984, Budapest, Hungary. 1984: 699-704.

Hajdasinski, Andrzej K. The choice and use of different model sets for system identification [tutorial paper]. Proceedings of the 6th IFAC symposium on identification and system parameter estimation, Washington DC, USA, June 1982. 1982.

Damen, Ad A.H.; Andrzej K. Hajdasinski. Practical tests with different approximate realizations based on the singular value decomposition of the Hankel matrix. Proceedings of the 6th IFAC symposium on identification and system parameter estimation, Washington DC, USA, June 1982. 1982.

Hajdasinski, Andrzej K. On identification of MIMO systems [in Polish]. 8th conference on automatic control, Szczecin, Poland, 1980. [preprints]. 1980.

Hajdasinski, Andrzej K. Identification of multivariable noise corrupted systems with the aid of the realization theory. 5th IFAC symposium on identification and system parameter estimation, Darmstadt, 1979. [preprints]. 1979.

Niederlinski, A.; Andrzej K. Hajdasinski. Multivariable system identification : a survey. 5th IFAC Symposium on identification and system parameter estimation. 1979.

Hajdasinski, Andrzej K. The realization theory : a new tool for identification of MIMO systems [in Polish]. Seminar on industrial control systems, Gliwice, April 1974. 1974.
Published as an internal report, Gliwice University of Technology

Hajdasinski, Andrzej K. Analysis of the system of control modules - SMA, industrial application aspects [in Polish]. 10th Conference on Automatic Control in the Coal Industry, September 1973, Gliwice, Poland. 1973.

Other

Hajdasinski, Andrzej K. Liquid natural gas : fuel and feedstock of the future [forthcoming] (2007).

Hajdasinski, Andrzej K. On-line process accounting system - an answer to practical plant-wide control [forthcoming] (2007).

Hajdasinski, Andrzej K. Total performance index based control as ultimate solution to medium and long term plant control [forthcoming] (2007).

Hajdasinski, Andrzej K. "Possibilities for application of the Odra 1325 computer and SMA (control module system) for control of industrial processes." Zeszyty Naukowe Politechniki Slaskiej [Scientific Bulletin of Gliwice University of Technology] no. 64 (1973).