

Attachment

The work herein has been reported in several papers and talks as listed below.

Journal articles

1. R. Kandepu, L. Imsland, B. Foss, C. Stiller, B. Thorud and O. Bolland, [*Modeling and control of a SOFC-GT-based autonomous power system*](#), Energy, Volume 32, Issue 4, April 2007, Pages 406-417
Digital object identifier: 10.1016/j.energy.2006.07.034
2. R. Kandepu, L. Imsland, B. Foss, *Applying the Unscented Kalman Filter for Nonlinear State Estimation*, Accepted for publication in [*Journal of Process Control*](#).
3. C. Stiller, B. Thorud, O. Bolland, R. Kandepu and L. Imsland, [*Control strategy for a solid oxide fuel cell and gas turbine hybrid system*](#), Journal of Power Sources, Volume 158, Issue 1, 14 July 2006, Pages 303-315
Digital object identifier: 10.1016/j.jpowsour.2005.09.010

Conferences

1. R. Kandepu, L. Imsland, B. A. Foss, C. Stiller, B. Thorud and O. Bolland, *Control-relevant SOFC modeling and model evaluation*, In proceedings of ECOS, Trondheim, Norway, 2005
ISBN: 82-519-2041-8
2. R. Kandepu, L. Imsland, C. Stiller, B. A. Foss, [*Control-relevant modeling and simulation of a SOFC-GT hybrid system*](#), In proceedings of The 46th conference on Simulation and Modeling (SIMS), Trondheim, Norway, October, 2005
3. R. Kandepu, B. A. Foss and L. Imsland, [*Integrated modeling and control of a load connected SOFC-GT autonomous power system*](#), In proceedings of ACC, Minneapolis, June, 2006
Digital object identifier: 10.1109/ACC.2006.1657254
4. R. Kandepu, L. Imsland, B. A. Foss, *Modeling and control of a SOFCGT hybrid system with single shaft configuration*, In proceedings of [*ICEPAG*](#), Newport beach, USA, September, 2006
5. R. Kandepu, B. Huang, B. A. Foss, L. Imsland, *State estimation of SOFC/GT hybrid system using UKF*, In proceedings of 8th International Symposium on Dynamics and Control of Process Systems ([*DYCOPS*](#)), Cancun, Mexico, June 6-8th, 2007
6. R. Kandepu, B. Huang, L. Imsland and B. A. Foss, *Comparative Study of State Estimation of Fuel Cell Hybrid System using UKF and EKF*, Invited paper, In proceedings of The

Sixth IEEE Conference on Control and Automation (ICCA), Guangzhou, China, May30-June 1, 2007

7. R. Kandepe, L. Imsland, B. A. Foss, *Constrained State Estimation Using the Unscented Kalman Filter*, In preparation.

Technical reports

1. R. Kandepe, *Modeling of SOFC-GT hybrid system components*, Technical report, 2004-9-W, Department of Engineering Cybernetics, NTNU, 2004