

論文發表

(A) 期刊論文 (近五年)

1. **W. Lu**, L. Duan, R. M. Faye, F. Mora-Camino, A neural approach for the identification of the implicit differential flatness of aircraft flight dynamics, *Indian Journal of Mathematics and Mathematical Sciences*, Vol. 2, No. 2, Dec. 2006, pp.131-143
2. Fei-Bin Hsiao, Lili Duan, **Wen-Chi Lu**, Evaluation of Nonlinear Dynamic Inversion Technique Applied to Flight-Path Control, *中國機械工程學刊*, 29 卷 2 期, 2008, pp.171-177.
3. Wen-Chi Lu, Lili Duan, Fei-Bin Hsiao, Félix Mora-Camino, Neural Guidance Control for Aircraft Based on Differential Flatness, *Journal of Guidance, Control, And Dynamics*, Vol. 31, No. 4, July-August 2008. (SCI/EI)

(B) 研討會論文 (近五年)

1. **W. Lu**, F. Mora-Camino, A. Achaibou, Wing Rock Dynamics and Differential Flatness, *Proceedings of 1st International Conference on Research in Air Transportation*, Zilina, Slovakia, Nov.22-24, 2004.
2. **W. Lu**, F. Mora-Camino, in *Proceedings of Système Plats et Dynamique du Vol, Congres Doctorant 2004 EDSYS*, Toulouse, France, 2004.
3. **W. Lu**, F. Mora-Camino, F. Lavergne, M. de Coligny, A. Achaibou, Flight Mechanics and Differential Flatness, *2o Congresso Tematico de Dinamica, Controle e Aplicacaes (DINCON'2004)*, Ilha Solteira, SP (Bresil), May 31-June 4, 2004.
4. **W. Lu**, F. Mora-Camino, A. Achaibou, A New Flight Guidance Approach Based on Differential Flatness, *Proceedings of 23rd Digital Avionics System Conference*, Salt Lake City, USA, October 24-28, 2004.
5. **W. Lu**, F. Mora-Camino, A. Achaibou, New Approaches for Flight Guidance Based on Neural Networks, *Proceedings of the IV International conference System Identification and Control Problems, SICPRO'05*, Mosco, Russia, Jan. 25-28, 2005.
6. **W. Lu**, F. Mora-Camino, A. Achaibou, Differential Flatness and Flight Guidance: A Neural Adaptive Approach, *Proceedings of AIAA*

Guidance, Navigation and Control Conference, San Francisco, Aug. 14-18, 2005.

7. **W. Lu**, F. L. Duan, Mora-Camino, A. Achaibou, M. de Coligny, A Flatness Based Flight Guidance Control using Neural Networks, *Proceedings of 24th Digital Avionics System Conference*, Washington D.C., Oct.30-Nov. 3, 2005.
8. **W. Lu**, L. Duan, F. Mora-Camino, K. Achaibou, Design of a generic flight guidance system based on differential flatness and neural networks, *Proceedings of the V International conference "System Identification and Control Problems"*, SICPRO'06, Mosco, Russia, Jan. 30-Feb. 2, 2006.
9. **W. Lu**, L. Duan, F. Mora-Camino, B.O. Ouattara, Evaluation of a new approach for the design of generic 4D guidance systems and neural networks, *Proceedings of the 13th Saint-Petersburg International Conference on Integrated Navigation Systems*, St. Petersburg, Russia, May. 29-31, 2006.
10. **W. Lu**, L. Duan, F. Mora-Camino, A new flight control structure based on differential flatness, 1st China-France Aerospace Workshop, 2006, Toulouse.
11. **Wen Chi Lu**, Lili Duan, Thierry Miquel, Felix Mora-Camino, Generic 4D Flight Guidance based on Differential Flatness, *Proceedings of 17th IFAC Symposium on Automatic Control in Aerospace*, Toulouse, France, June 25-29, 2007.
12. **Wen Chi Lu**, Rabbah Fellouah, Geanina Andrei, N. Zhang, F. Mora-Camino, A. Doncescu, Fault Detection Using Differential Flatness in Flight Guidance Systems, *CISIS '07: Proceedings of the First International Conference on Complex, Intelligent and Software Intensive Systems*, April 2007, pp.155-162.
13. **W. C. Lu**, R. M. Faye, A. C. Brandao Ramos, J. Slama, F. Mora-Camino, Neural Inversion of Flight Guidance Dynamics, *ISDA '07: Proceedings of the Seventh International Conference on Intelligent Systems Design and Applications*, Oct. 2007, pp.190-195.
14. Fei-Bin Hsiao, **Wen-Chi Lu**, Meng-Tze Lee, A Practice of System Engineering for SWAN Unmanned Aerial Vehicle System, 2007 中華民國系統科學與工程研討會論文集, 台北, 2007年6月21~22日.(NSC 96-2816-E-006-001)
15. **Wen-Chi Lu** and Wen-Ron Chang, Study of Adaptive Full-Enveloped Flight Control for Autonomous RUAV, 97年度國防

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