Research on Micro Unmanned Aircraft

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By integrating Innovative Technologies, Micro Unmanned Aircraft are developed as flying robot with automatic flight capabilities. Applications to minoring for devastated areas and natural environment are explored.

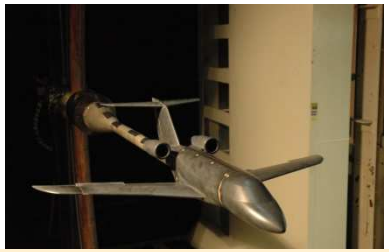
Structure manufacturing with CFRP

T. Aoki

T. Yokozeki

Ikeda et al. Fault Tolerant Flight Control Research using UAV, 2) Vehicle Manufacturing, 47th Aircraft Symposium, Gifu, 2009/11/04, 3F7.

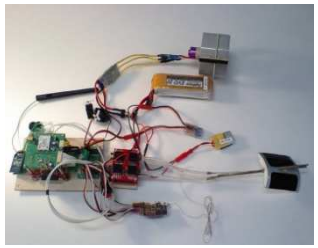
Wind Tunnel Test of Micro UAV



K. Rinoie

Ogawa, et al. Low speed Wind Tunnel Testing of a UAV for Fault Tolerant Flight Control System: Part.2 Effect of Various Simulated Faults Tri University Symposium (2010/10, Korea)

Development Avio System



T. Tshuchiya

S. Suzuki

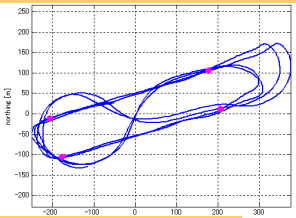
Hino, T.,et al. Research Activity on Unmanned Air Vehicles at the University of Tokyo, 2010, AIAA-2010-3488..

Flight test of Micro UAV

S. Suzuki

T. Tshuchiya

Automatic Flight Control System



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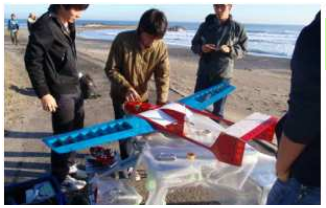
Fault Tolerant Flight Control System

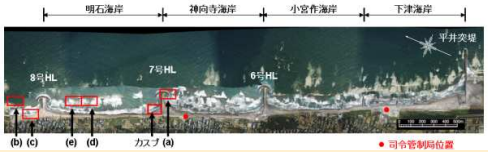
S. Suzuki

YOSHIMATSU, et al. "Flight Demonstration of Adaptive Control System Using Neural Network", Theoretical and Applied Mechanics Japan, Vol.57, 2009, 191-198.

Sea Coast Monitoring



S. Suzuki



Kumada, et al. Sea Coast Monitoring using UAV, 2010 JACE, Ocean Development Symposium, Kagoshima 24-25/06 (2010)