## ATTON WIESTACE TECHNOLOGY

- A PUBLICATION OF THE McGRAW-HILL COMPANIES · \$5.00 · OCTOBER 6, 1997

# Computers in Aerospace Seeking the Next Edge

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## New Warnings on Loose Nukes

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EC outines path for consolidation

Aerospace 'clusters' urged to counter U.S. giants as frustration mounts in Europe over pace

Hill ups NMD, caves in on B-2s

\$247.7-billion defense budget now at White House for review

Jet-powered car reaches Mach 0.94 Goal is first supersonic auto

Atlantis resupply mission bolsters Mir station

Gets new astronaut, computer, and water and supplies vital to restoring science work on the base

Space crews endorse Mir, but some concerns linger

Say station in good shape, safe for continued long-term habitation 33

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Increasing dynamic pressure from continued aerobraking almost fully deploys balky solar panel 33

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After years of cutbacks, carrier will begin a global expansion—if it can finalize series of labor pacts

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New Air France chief to seek stability

Expected to strengthen state-owned carrier's profitability and its quest for global business

CFIT eyed in Garuda crash

Accident likely will intensify calls for addition of MSAW capability to radars at international airports 40

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Computer-based modeling allows designers at Lockheed Martin Tactical Aircraft Systems to consider the entire life span of a proposal such as the Joint Strike Fighter (see p. 46) These com- puter graphics were developed at Lockheed Martin by Mark A. Wood, Mark A. Lauden and Steve C. Hall.



ICAO setting agenda for global safety

Panel forms to address common safety trends, prescribe action

FAA probing ATC errors at Dallas-Fort Worth

Resulted in violations of minimum separation standards, but no near-midair collision threat

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Northwest, KLM extend global alliance

Meanwhile, American Airlines and British Airways face continuing hurdles in forming partnership

Berlin OKs new international facility, airport privatization

Project intended to meet future traffic growth requirements

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Advised to redouble efforts against the mounting threat 45









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## Boeing translates 737 to digital era

Allows improvements to software suite based on 777 experience

## Raytheon integrates product development

Greater use of CAD/CAM at restructuring program core

#### Lockheed Martin develops virtual reality tools for JSF

To cut manufacturing costs, fighter serviceability costs and improve development cycle times

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Seeking better ways to find and retain computer scientists

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So engineers and subcontractors can share 'information pipeline' 55

## DASA production software optimizes work flow

IDs status of work, transmits relevant data to other stations

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#### http://www.awgnet.com

Aviation Week's Web site offers selected articles from the current issue, as well as daily news updates, the Safety Resource Center, a gallery of photos and features from special issues. It's also a great jumping off spot for surfing to other aerospace sites.

We're available on CompuServe, too; just GO AWG.

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