

# Index

- Air Traffic Control, 43-60  
Allard, Terry, 200  
Andre, Anthony D., 225  
Articulation of Operational and Training Materials, 30  
ATC Complexity and Controller Workload: Trying to Bridge the Gap, 56  
Athènes, Sylvie, 56  
Atkins, Stephen, 105  
Averty, Philippe, 56
- Barnard, Yvonne, 30  
Bastide, Rémi, 112  
Bastien, J.-M. C., 210  
Beaty, Roger, 205  
Benhacène, Raïlane, 44, 50  
Billings, Charles, 105  
Blackmon, Marilyn Hughes, 24  
Blomberg, Richard, 202  
Boy, Guy, 30  
Brinton, Chris, 105  
Bruseberg, Anne, 222
- Cacciabue, P. Carlo, 36  
Can We Save Money with Safety? A Novel Approach for Assessing Benefits of Safety in the Aviation Industry, 3  
Chandra, Divya C., 69  
Chilov, Nikolai, 88  
Collet, Christian, 56  
Collins, Chris, 138  
Combining Two Technologies to Improve Aviation Training Design, 24  
Conceptual Blending and Airplane Navigation, 167  
Constructing Human-Automation Interfaces: A Formal Approach, 119  
Contextual Approaches, 160-178  
Contextual Inquiry in HCI: Lessons from Aeronautics, 161  
Corrigan, Siobhan, 205  
Coulson, Seana, 167
- Creating a Multi-Media Living Legacy: The T-NASA Design Technology Transfer Tool, 225  
Cultural and Organizational Factors in System Safety: Good People in Bad Systems, 205
- David, Hugh, 210  
Degani, Asaf, 119, 200, 202  
Dekker, Sidney W. A., 126, 161, 173  
Delahaye, Daniel, 56  
Demagalski, Jason, 126, 173  
Demonstration, 222-225  
Deraitus, Mary, 212  
Design Induced Errors on the Modern Flight Deck During Approach and Landing, 173  
Development of a Numerical Simulation for Aviation Maintenance Technician Training Course Design, The, 36  
de Vries, Sjoerd C., 144  
Durstewitz, Markus, 80
- Edwards, Stephanie E., 138  
Effects of Standardization on Team Coordination: Cockpit Versus Emergency Room, 214  
Emergency Descent Plans, Procedures, and Context, 74  
Esquinas, Julian Barrera, 80  
Evaluation of a Radically Revised ATC Interface, 210  
Evolution of Human-Device Interface in the Field of Technical Documentation, 80  
Evolving Flight Operations Data Standards: Is There a Need of Early Identification of Specifications? 202  
Examining Assumptions about Pilot Behavior in Paired Approaches, 16  
Exploring the Many Perspectives of Distributed Air Traffic Management: The Multi Aircraft Control System MACS, 149
- Fauré, Xavier, 30  
Feary, Michael, 180  
Flight Deck, 179-197

Flight Operations Monitoring System: A Bundled Approach for Synergistic Safety Management, The, 9

Formal Methods Applied to the Human Interface, 111-130

Foyle, David C., 225

Grote, Gudela, 214

Haritatos, Fred, 88

Harris, Don, 126, 173

Heymann, Michael, 119

Hecker, Peter, 193

Holder, Barbara, 167, 200

Hooey, Becky L., 225

Human Factors Evaluation of Electronic Flight Bags, 69

Human-in-the-Loop Simulation for Airway Facilities Operations, 155

Information Integration in the Glass Cockpit, 222

Interaction of Automation and Time Pressure in a Route Replanning Task, 132

Jansen, Chris, 144

Javaux, Denis, 186, 200, 217

Johnson, Kip, 132

Kanki, Barbara, 202

Kelly, Brian, 200

Kies, Jack, 205

Korn, Bern, 193

KSNet-Approach to Knowledge Logistics in Distributed Environment, A, 88

Kuchar, James, 132

Landry, Steven J., 16

Levashova, Tatiana, 88

Lintern, Gavan, 94

Lohrenz, Maura C., 138

Marshall, Andrew, 126, 173

Mauri, Carlo, 36

McDonald, Nick, 205

Mertz, Christophe, 44

Multitagent Flight Control and Virtual Navigation, 219

Navarre, David, 112

Nourani, Cyrus F., 219

Nyce, James M., 161

Obradovich, Jodi Heinz, 100

Ockerman, Jennifer, 74

Oman, Charles, 132

One World or Two? Can the Research Community and the Manufacturers Work More Efficiently Together?, 200

Organization and Coordination, 87-110

Owen, Douglas, 36

Palanque, Philippe, 112

Palmer, Everett, 180

Panels, 198-207

Pashkin, Michael, 88

Patel, Vimla, 205

Payeur, Francis, 30

Pedrali, Mauro, 3

Pilot Assistance Systems: Enhanced and Synthetic Vision for Automatic Situation Assessment, 193

Pilot-Centered Evaluation of Geospatial Data for Proposed Navy Helicopter Moving-Map Displays, A, 138

Polson, Peter G., 24, 180

Posters, 208-222

Prevot, Thomas, 149

Pritchett, Amy R., 16, 74

Problem Solving in a Distributed Collaborative Environment: The Necessity of Shared Knowledge within the Air Traffic Management System, 100

Procedures and Documentation, 61-86

Puechmorel, Stephane, 56

Ramu, Jean-Philippe, 62, 202

Reconciling Safety and Usability Concerns through Formal Specification-based Development Process, 112

Ren, Liling, 132

Reuzeau, Florence, 200

Reverse-Engineering Autopilot Behavior on the A340-200/300: The Anatomy of a Modern Autopilot, 217

Roelen, Alfred L. C., 3

Ruggiero, Frank, 205

Safety, 2-22

Salmon, Paul, 126, 173

SCC-NET A New Method for Measuring the  
Consistency and Complexity of Autopilot Behavior,  
186

Sherry, Lance, 180, 200

Situation Awareness, 131-147

Situational Awareness of UAV Operators Onboard  
Moving Platforms, 144

Smirnov, Alexander, 88

Smith, Philip J., 100, 105

Solodilova, Iya, 222

Spencer, Amy, 105

Speyer, Jean-Jacques, 9, 202

Stanton, Neville A., 126, 173

Support of Traffic Management Coordinators in an  
Airport Air Traffic Control Tower Using the Surface  
Management System, 105

Task Structure Methodology for Electronic Operational  
Documentation, 62

Testing Facilities, 148-159

Training, 23-42

Travers, Rick, 202

Tremaud, Michel, 30

Trenchard, Michael E., 138

Truitt, Todd R., 155

Users Bandwidth in Air Traffic Management: An  
Analysis from the HMI Point of View, 44

Using Existing HEI Techniques to Predict Pilot Error: A  
Comparison of SHERPA, HAZOP, and HEIST, 126

Using Portal Technology for Managing Information in  
an Aerospace Manufacturing Environment, 212

VertiDigi — A New Working Environment for E-TMA,  
50

Waldon, Thomas, 126, 173

Ward, Marie, 205

When Does the MCDU Interface Work Well? Lessons  
Learned for the Design of New Flightdeck User-  
Interfaces, 180

Work Domain Analysis for Distributed Information  
Spaces, 94

Young, Mark S., 126

Zala-Mezö, Enikö, 214