Dynamic Airspace Management

Report

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Papers

4 out of 9 submitted papers

2 papers from US
   The MITRE Corporation
2 papers from Europe
   DSNA
Research topics

• Sector Capacity Prediction for FM
• Optimum Airspace Configuration (Sector design and grouping)
• NO papers on Air Routes and Characteristics and Structure
Methods and Techniques

- Pattern Recognition and Cluster Analysis
- Artificial Neural Networks
- FTS and Heuristics
- Meta-heuristics (Simulated Annealing and Fusion Fission)
Some Unresolved Issues

- Overall “Optimization” Objective and Criteria
- Dynamic Nature i.e. Time Windows
- Elementary Unit Design before Grouping
Participation

- Between 60 and 70
- Very alive discussion
Thanks

• Review “Committee” (Airspace and Network Management)

Eugene B. Wilhelm IV, Chair
Steve Bradford
Kevin Guittet