

# 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