Contents

Foreword vii
Preface ix
Table of Cases xi

1 Space Law Concepts 1
   Introduction 1
   Links between space law and air law 5
   Implementation of space law through international law 10

2 Space Law Issues 21
   The aerospace plane: frontiers between air law and space law 21
   Liability of states as providers of space technology in the field of air navigation 34
   The new global navigation satellites system 43

3 Space Law: Emergent Trends 61
   Liability for acts of professional negligence and criminality committed in outer space 61
   Environmental protection and the use of nuclear power sources in outer space 70
   Liability of states for collusion with extraterrestrial intelligence in the sharing and use of space technology 74
   Trade secrets in the outer space exploration industry 87
   Trademarks in the outer space industry 94
   Cyber terrorism and outer space 104

4 Summary of the Issues 151

5 Air Law Issues 161
   Aircraft noise 161
   Marginal cost pricing of airports and air navigation services 195
   The ‘single till’ and airport privatization 205
   Funding an international financial facility for aviation safety 216
   Smuggling of illegal migrants by air 235
The economy class syndrome 247
The aerotoxic syndrome 267
Privacy of airline pilots 283

6 Conclusion 321

Index 337