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Behavioral Modeling for Security in Airports

Fact Sheet

Project Information

BEMOSA

Grant agreement ID: 234049

Project closed

Start date

1 September 2009

End date

30 November 2012

Funded under

Specific Programme "Cooperation": Transport
(including Aeronautics)

Total cost

€ 4 235 967,10

EU contribution

€ 3 399 934,00

Coordinated by

TECHNION - ISRAEL INSTITUTE
OF TECHNOLOGY

 Israel

Objective

BEMOSA will contribute significantly to the overall European objective of eliminating hazards of hostile action in the air transport system. To do so it will develop a dynamic and realistic model of social behaviour and security decision making during security threats in airports. These objectives will be accompanied by advancing the state-of-the art in behavioural modelling by direct, multi-faceted observations of group behaviour and creating a dynamic and realistic model of social behaviour during airport security threats. By examining airports throughout Europe and focusing on key decision making groups such as control tower operators, security employees, service vendors and passengers, BEMOSA will deliver the basis for a

comprehensive and practical training program that considers all the airport security stakeholders. Advanced software simulations that will help to capture and predict social behaviour under stressful emergencies will provide the platform for the training modules and training packages that can be readily and at minimum cost applied to airports across Europe. This collaborative project involves a consortium of academic, SME and airport end users with extensive expertise in social & behaviour sciences, aviation and security. All are dedicated to modelling airport security decisions whose impact on the maintenance of airport operational continuity is vital. Advancing the of state-of-the art research will lead to increased efficiency of air transportation by decreasing false alarms, increased safety through training and increased coordination for all stakeholders in cases of emergency and security threat. These objectives will be accomplished in a series of coordinated work packages designed so that all partners will participate in a balanced way thereby assuring BEMOSA objectives are achieved.

Fields of science (EuroSciVoc)

[natural sciences](#) > [computer and information sciences](#) > [software](#)



Programme(s)

[FP7-TRANSPORT - Specific Programme "Cooperation": Transport \(including Aeronautics\)](#)

Topic(s)

[AAT.2008.5.2.3. - Human Factors](#)

Call for proposal

FP7-AAT-2008-RTD-1

[See other projects for this call](#)

Funding Scheme

[CP-FP - Small or medium-scale focused research project](#)

Coordinator



TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY

EU contribution

€ 541 127,90

Total cost

No data

Address

SENATE BUILDING TECHNION CITY

32000 Haifa

 **Israel** 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Participants (10)



DEEP BLUE SRL

 **Italy**

EU contribution

€ 343 600,00

Address

VIA DANIELE MANIN 53

00185 Roma 

Region

Centro (IT) > Lazio > Roma

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



B&M InterNets, s.r.o.

Czechia

EU contribution

€ 423 339,60

Address

Vinohrady 45
63900 Brno

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



USE2ACES BV

Netherlands

EU contribution

€ 255 694,20

Address

Houtsnip 2
1902 KK CASTRICUM

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



HELIOS TECHNOLOGY LTD

United Kingdom

EU contribution

€ 191 138,25

Address

HERCULES WAY 29 AEROSPACE BLV AEROPARK

GU14 6UU Farnborough

Region

South East (England) > Hampshire and Isle of Wight > North Hampshire

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



TECHNISCHE UNIVERSITEIT DELFT

Netherlands

EU contribution

€ 213 599,25

Address

STEVINWEG 1

2628 CN Delft

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



AVITRONICS RESEARCH

 Greece

EU contribution

€ 616 579,60

Address

RIZOUNTOS 53

16777 HELLINIKON 

Activity type

Research Organisations

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



UNIVERSITA DEGLI STUDI DI MODENA E REGGIO EMILIA

 Italy

EU contribution

€ 319 600,80

Address

VIA UNIVERSITA 4

41121 Modena 

Region

Nord-Est > Emilia-Romagna > Modena

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



FUNDACION CARTIF

Spain

EU contribution

€ 311 158,40

Address

PQ TECNOLOGICO BOECILLO 205

47151 Boecillo

Region

Centro (ES) > Castilla y León > Valladolid

Activity type

Research Organisations

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



LETISTE BRNO a.s.

Czechia

EU contribution

€ 120 796,00

Address

Letiste Brno-Turany

62700 Brno

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



ZILINSKA UNIVERZITA V ZILINE

 Slovakia

EU contribution

€ 63 300,00

Address

UNIVERZITNA 8215/1

010 26 Zilina 

Region

Slovensko > Stredné Slovensko > Žilinský kraj

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data

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European Union, 2025