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Training in Embedded Predictive Control and Optimization

Fact Sheet

Project Information

TEMPO

Grant agreement ID: 607957

Project closed

Start date

1 February 2014

End date

31 January 2018



Funded under

Specific programme "People" implementing the Seventh Framework Programme of the European Community for research, technological development and demonstration activities (2007 to 2013)

Total cost

€ 3 926 584,23

EU contribution

€ 3 926 584,23

Coordinated by

NORGES TEKNISK-
NATURVITENSKAPELIGE
UNIVERSITET NTNU

 Norway

Objective

"TEMPO addresses the needs of European companies and society for embedded control technology, through training on cutting edge research in the rapidly emerging inter-disciplinary field of embedded predictive control and optimization. The key objectives are:

- to expand the scientific and technical knowledge platform for Embedded Predictive

Control and Optimization in Europe;

- to exploit this platform to train a new generation of world class researchers and professionals that are highly attractive for employment by the European industry;
- to establish structures for long-term cooperation and strengthen the relations among the leading universities and industry in Europe in this field, to continuously develop the research training platform that European industry relies on.

To achieve the objectives listed above, the main tasks of TEMPO are:

- to attract and train 14 Early Stage Researchers in embedded MPC and optimization via a joint academic/industrial program of cutting edge training-by-research, high quality supervision, complementary and transferable skills training, inter-network secondments, and workshops;
- to create a closely connected group of leading European scientists that are highly sought after by European industry, and ready to push forward embedded MPC and optimization into new innovative products, industries and services;
- to build a solid foundation for long-term European excellence in this field by disseminating the research and training outcomes and best practice of TEMPO into the doctoral schools of the partners, and by fostering long-term partnerships and collaboration mechanisms that will outlast the ITN;
- to disseminate the know-how of the participants to each other and to external groups via networking activities, inter-sectoral exposure, secondments, workshops, demonstrations, sharing of learning material, public engagement and outreach activities, and open source public domain software outcomes."

Fields of science (EuroSciVoc)

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

[social sciences](#) > [economics and business](#) > [business and management](#) > **[employment](#)**



Programme(s)

[FP7-PEOPLE - Specific programme "People" implementing the Seventh Framework Programme of the European Community for research, technological development and demonstration activities \(2007 to 2013\)](#)

Topic(s)

[FP7-PEOPLE-2013-ITN - Marie-Curie Action: "Initial Training Networks"](#)

Call for proposal

FP7-PEOPLE-2013-ITN

[See other projects for this call](#)

Funding Scheme

[MC-ITN - Networks for Initial Training_\(ITN\)](#)

Coordinator



NORGES TEKNISK-NATURVITENSKAPELIGE UNIVERSITET NTNU

EU contribution

€ 955 819,15

Total cost

No data

Address

HOGSKOLERINGEN 1

7491 Trondheim

 **Norway**

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#)

Participants (10)



KATHOLIEKE UNIVERSITEIT LEUVEN

 **Belgium**

EU contribution

€ 231 990,00

Address

OUDE MARKT 13
3000 Leuven 

Region

Vlaams Gewest > Prov. Vlaams-Brabant > Arr. Leuven

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



EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH 

 Switzerland

EU contribution

No data

Address

Raemistrasse 101
8092 Zuerich 

Region

Schweiz/Suisse/Svizzera > Zürich > Zürich

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



ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE

 Switzerland

EU contribution

€ 263 715,76

Address

BATIMENT CE 3316 STATION 1
1015 Lausanne 

Region

Schweiz/Suisse/Svizzera > Région lémanique > Vaud

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



SLOVENSKA TECHNICKA UNIVERZITA V BRATISLAVE

 Slovakia

EU contribution

€ 394 841,34

Address

VAZOVOVA 5
81243 Bratislava 

Region

Slovensko > Bratislavský kraj > Bratislavský 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



Ecole Superieure D'Electricite

 France

EU contribution

€ 508 087,64

Address

**RUE JOLIOT CURIE - PLATEAU DE MOULON 3
91192 GIF SUR YVETTE CEDEX** 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

No data



IMPERIAL COLLEGE OF SCIENCE TECHNOLOGY AND MEDICINE

 United Kingdom

EU contribution

€ 287 256,64

Address

**SOUTH KENSINGTON CAMPUS EXHIBITION ROAD
SW7 2AZ LONDON** 

Region

London > Inner London — West > Westminster

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



AMPYX POWER BV

 Netherlands

EU contribution

€ 239 061,46

Address

LULOFSSTRAAT 55 UNIT 13
2521 AL DEN HAAG 

Region

West-Nederland > Zuid-Holland > Agglomeratie 's-Gravenhage

Activity type

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

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

No data



RENAULT SAS

 France

EU contribution

€ 258 148,66

Address

122-122B AVENUE DU GENERAL LECLERC
92100 Boulogne Billancourt 

Region

Ile-de-France > Ile-de-France > Hauts-de-Seine

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



ALBERT-LUDWIGS-UNIVERSITAET FREIBURG

 Germany

EU contribution

€ 217 550,30

Address

FAHNENBERGPLATZ

79098 Freiburg 

Region

Baden-Württemberg > Freiburg > Freiburg im Breisgau, Stadtkreis

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



THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD

 United Kingdom

EU contribution

€ 570 113,28

Address

WELLINGTON SQUARE UNIVERSITY OFFICES

OX1 2JD Oxford 

Region

South East (England) > Berkshire, Buckinghamshire and Oxfordshire > Oxfordshire

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

Last update: 19 May 2015

Permalink: <https://cordis.europa.eu/project/id/607957>

European Union, 2025

