Second Language Tutoring using Social Robots

**Fact Sheet**

**Project information**

<table>
<thead>
<tr>
<th>L2TOR</th>
<th>Funded under: H2020-EU.2.1.1.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant agreement ID: 688014</td>
<td>Overall budget: € 3 042 565</td>
</tr>
<tr>
<td>Project website</td>
<td>EU contribution € 3 042 562</td>
</tr>
<tr>
<td>Status Closed project</td>
<td>Coordinated by: UNIVERSITY OF PLYMOUTH</td>
</tr>
<tr>
<td>Start date 1 January 2016</td>
<td>United Kingdom</td>
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<tr>
<td>End date 31 December 2018</td>
<td></td>
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**Objective**

The L2TOR project capitalises on recent developments in human-robot interaction in which the use of social robots is explored in the context of teaching and tutoring. Social robots have been shown to have marked benefits over screen-based tutoring technologies, and have demonstrable positive impacts on motivation in learners and their learning outcomes. L2TOR focuses on the domain of second language learning in early childhood: due to increased mobility of European citizens and increasing internationalisation, most children in Europe will be required to fluently use two or more languages. As language acquisition benefits from early, personalised and interactive tutoring, current language tutoring delivery is often ill-equipped to deal with this. As resources are insufficient to offer one-to-one tutoring with (near) native speakers in educational and home contexts, L2TOR will further the science and technology of language tutoring robots, with a strong focus on multimodal interactive tutoring for young children (4 years of age). L2TOR will focus on native speaking Dutch, German and Turkish children learning English. In addition, Turkish immigrant children in the Netherlands and Germany will be supported by a robot in acquiring Dutch and German. To realise this ambition L2TOR needs to address both technical aspects - such as multimodal interaction, human-robot interaction management and social signal processing-, pedagogical aspects -such as exploring the pedagogy of social robots and the use of social robot to assist in language tutoring- and developmental psychology aspects -such as understanding how children learn a first and second language from others and how this can be transposed to learning from robots.
Field of Science

/ engineering and technology/electrical engineering, electronic engineering, information engineering/electronic engineering/signal processing

/social sciences/educational sciences/pedagogy

/social sciences/psychology/psycholinguistics

/social sciences/educational sciences/pedagogy/teaching

/social sciences/economics and business/economics/sustainable economy

/social sciences/psychology

/humanities/languages and literature/languages - general

Programme(s)

H2020-EU.2.1.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)

Topic(s)

ICT-20-2015 - Technologies for better human learning and teaching

Call for proposal

H2020-ICT-2015

See other projects for this call

Funding Scheme

RIA - Research and Innovation action

Coordinator
### UNIVERSITY OF PLYMOUTH

**Address**: Drake Circus, PL4 8aa Plymouth, United Kingdom

**Activity type**: Higher or Secondary Education Establishments

**EU Contribution**: € 544 013

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

### STICHTING KATHOLIEKE UNIVERSITEIT BRABANT

**Address**: Warandelaan 2, 5037 Ab Tilburg, Netherlands

**Activity type**: Higher or Secondary Education Establishments

**EU Contribution**: € 542 238

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

### UNIVERSITAET BIELEFELD

**Address**: Universitaetsstrasse 25, 33615 Bielefeld, Germany

**Activity type**: Higher or Secondary Education Establishments

**EU Contribution**: € 448 625

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

### UNIVERSITEIT UTRECHT

**Address**: Heidelberglaan 8, 3584 Cs Utrecht, Netherlands

**Activity type**: Higher or Secondary Education Establishments

**EU Contribution**: € 512 193

- [Website](#)
- [Contact the organisation](#)
<table>
<thead>
<tr>
<th>Organisation</th>
<th>Country</th>
<th>EU Contribution</th>
<th>Address</th>
<th>Activity type</th>
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<tbody>
<tr>
<td>KOC UNIVERSITY</td>
<td>Turkey</td>
<td>€397,593</td>
<td>Rumeli Feneri Yolu Sariyer 34450 Istanbul</td>
<td>Higher or Secondary Education Establishments</td>
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<tr>
<td>SOFTBANK ROBOTICS EUROPE</td>
<td>France</td>
<td>€486,250</td>
<td>Rue Colonel Pierre Avia 43 75015 Paris</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
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<tr>
<td>QBMT</td>
<td>Belgium</td>
<td>€111,650</td>
<td>Graaf De Smet De Naeyerlaan 4 8400 Oostende</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
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</tbody>
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