

Proposal for Mobility Funding of Project “Flexible Reliable Timing Constraints”

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1 Status

The ARTES project “Flexible Reliable Timing Constrains” started in February 2000 with Damir Isovich as Ph.D. student. The initial phase has worked out well: two papers have been accepted at conferences, and simulators for analysis work have been acquired.

A master thesis addressing a problem within the project context – transformation and integration of scheduling paradigms – has drawn attention of Rolls Royce, UK, who joined the extended ARTES project as further industrial partner. Radu Dobrin, co-author of the mentioned master’s thesis, has started as PhD student in August 2000. A publication to be submitted has been completed.

2 Partners and Mobility

Prof. Krithi Ramamritham has agreed to devote 2 weeks per year to the project. The plan is to have two meetings (Prof. Ramamritham, Damir Isovich, Gerhard Fohler) per year: one in Sweden and one at University of Massachusetts or IIT Bombay, where Prof. Ramamritham is currently affiliated.

Rolls Royce, UK, will meet two times per year (Radu Dobrin, Gerhard Fohler), plus an additional phase to discuss case studies.

Mecel AB in Goteborg is industrial partner in the project. It is planned to have two regular meetings per year (all) as well as one extra trip for the Ph.D. students to obtain system requirements.

3 Requested Funding

3.1 Cost breakdown - meetings

3.1.1 Meetings Prof. Ramamritham

- a) Sweden: SEK 20.000.- (estimate; airfare to/from USA or Bombay, transports, food/lodging)
- b) USA or India: SEK 36.000.- (2 persons; airfare to/from USA ~SEK 8.000.-, transports, food/lodging (10 days) SEK 10.000.-)

3.1.2 Meetings Rolls Royce, UK

- a) regular meetings: SEK 16.000.- (2 persons; airfare to/from Manchester, UK ~ SEK 4.000.-, transports, food/lodging (5 days) SEK 4.000.-)
- b) initial meeting: 28.000.- (same as regular meetings (SEK 16.000) plus extra stay of 15 days for one person SEK 12.000.-)

3.1.3 Meetings Mecel, Gothenburg

- a) regular meetings: SEK 18.000.- (3 persons; transport to/from Gothenburg ~SEK 2.000.-, food/lodging (5days) SEK 4.000)
- b) initial meeting: SEK 30.000.- (same as regular meetings (SEK 18.000) plus extra stay of 15 days for one person SEK 12.000.-)

3.2 *Cost breakdown – years*

3.2.1 2000 – initial year

Prof Ramamritham – Sweden (3.1.1 a)	SEK 20.000.-
Rolls Royce, UK (3.2.1 b)	SEK 28.000.-
Mecel (3.3.1 b)	SEK 30.000.-
total	SEK 78.000.-

3.2.2 subsequent years

Prof Ramamritham – Sweden (3.1.1 a)	SEK 20.000.-
Prof Ramamritham – USA/India(3.1.1 b)	SEK 36.000.-
Rolls Royce, UK (3.2.1 a)	SEK 16.000.-
Mecel (3.3.1 a)	SEK 18.000.-
total	SEK 90.000.-