

FP6-507728

**EURON**

*European Robotics Network*

Network of Excellence

Information Society Technologies

**DR.4.2**

**Result of First Round of Proposals**

**Due date of deliverable:** 01/12/2004

**Actual submission date:** 31/12/2004

**Start date of project:** May 1st, 2004

**Duration:** 48 months

**Organisation name of lead contractor for this deliverable:**

KTH

**Revision:** Final, V2

**Dissemination Level:** CO

The first call for ad-hoc research proposals was advertised on July 8, 2004 with a deadline of 15 October 2004. In total 7 prospective research projects, 4 research atelier, and 6 topical research study proposals were received.

The proposals were all reviewed by at least 2 international reviewers, and review reports were analysed by the board. On the basis of these reviews consolidation reports were generated.

Finally the EURON board selected 1 PRP and 2 RAs for sponsorship. Totalling 185.000 Euro.

No TRS proposals were selected for funding as it was felt that the scope of the project type was misunderstood by the proposers.

The call text for call 2 was revised in an attempt to address the apparent misunderstanding of the scope of TRS.

All votes by the Board was by consensus without dissenting votes. In addition conflicts of interests were recorded and obeyed during all discussions. A record of the conflict of interest indications is available from the coordinator on request.

The projects selected for funding were:

PRP-2

Title: Physical Human-Robot Interaction in Anthropic Domains: Safety and Dependability

Acronym: PHRIDOM

Consortium: 1) Antonio Bicchi, UNIPisa, The Inderdepartmental Research Center "E. Piaggio", IT  
2) Raja Chatila, LAAS-CNRS, FR  
3) Bruno Siciliano, UNINA-DIS PRISMA Lab, IT  
4) Gerd Hirzinger, DLR, DE  
5) Alessandro De Luca, UNIROMA1-DIS LabRob, IT

Budget: 100 K Euro

Comment: a more detailed plan of work must be provided

RA-2

Title: Robotics Ontology for the Semantic Web

Acronym: ROSE

Consortium: 1) John Hallam, SDU-MIP, DK  
2) Herman Bruyninckx, KULeuven, BE

Budget: 35 K Euro

RA-3

Title: Roboethics Atelier

Acronym: Roboethics Atelier

Consortium: 1) Gianmarco Veruggio, Scuola di Robotica, IT  
2) Raja Chatila, LAAS-CNRS, FR  
3) Paolo Dario, SSSA, IT

Budget: the accepted budget has been reduced to 50 K Euro

Comment: the consortium must provide a detailed list of experts who will be involved

## NoE - EURON - IST-507728, Project Proposals - Call 1

### Prospective Research Projects:

No	Project title	Consortium where nr 1 is coordinator or main contact person marked with blue - not a member of EURON	Contact e-mail	Requested EURON contribution in EUR
1	Exploration of Underwater Structures with Cooperative Heterogeneous Robots	<p>1) Dirk Spenneberg, Univ of Bremen / AG Robotic, DE                  2) Christoph Waldmann, Univ of Bremen / MARUM, DE                  3) Richard Babb, Southampton Oceanography Centre, UK</p> <p>1) Antonio Bicchi, UNIPisa, The Interdepartmental Research Center "E. Piaggio", IT                  2) Raja Chatila, LAAS-CNRS, FR                  3) Bruno Siciliano, UNINA-DIS PRISMA Lab, IT                  4) Gerd Hirzinger, DLR, DE                  5) Alessandro De Luca, UNIROMA1-DIS LabRob, IT</p>	<a href="mailto:dspenneb@informatik.uni-bremen.de">dspenneb@informatik.uni-bremen.de</a>	100,000
2	Physical Human-Robot Interaction in Anthropic Domains: Safety & Dependability - "PHRIDOM"	<p>1) Paolo Dario, SSSA, IT                  2) Klaus Hoffmann, FhG IMBT, DE                  3) Xavier Navarro, Univ Autònoma de Barcelona, ES                  4) Thomas Stieglitz, Univ of Freiburg, IMTEK, DE</p>	<a href="mailto:bicchi@ing.unipi.it">bicchi@ing.unipi.it</a>	100,000
3	Development & Tests of a Flat Intraneural Electode - "FLINE"	<p>1) Humberto Martinez, Univ de Murcia, ES                  2) Pierre Blazevic, Univ de Versailles / LRV, FR                  3) Alessandro Saffiotti, Örebro Univ / AASS Mobile Rob Lab, SE</p>	<a href="mailto:gdario@sss.up.it">gdario@sss.up.it</a>	100,000
4	Multimodal Cooperative Robots for Search & Rescue	<p>1) Kerstin Dautenhahn, U Herfordshire, UK                  2) Gernot Kronreif, ARC Seibersdorf Research GmbH, AT</p>	<a href="mailto:humberto@um.es">humberto@um.es</a>	100,000
5	Innovative Approaches in Assistive Technology - "ROSE"	<p>1) Nikos Aspragathos, U Patras-Machine Tools Eng. Lab, GR                  2) Bruno Siciliano, UNINA-DIS PRISMA Lab, IT</p>	<a href="mailto:k.dautenhahn@herfts.ac.uk">k.dautenhahn@herfts.ac.uk</a>	99,900
6	Robotics WEB Services NeuBot: Design & Construction of Modular Robot Unit Prototypes for Self- Assembly & Self-Replication	<p>1) Auke Ijspeert, EPFL-Logic Systems Lab, CH                  2) Dario Floreano, EPFL - Autonomous Systems Lab, CH                  3) Stefano Nolfi, CNR-ISTC, IT</p>	<a href="mailto:asprag@mech.upatras.gr">asprag@mech.upatras.gr</a>	99,905
7			<a href="mailto:Auke.Ijspeert@epfl.ch">Auke.Ijspeert@epfl.ch</a>	99,000

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### Research Atelier:

No	Project title	Consortium where nr 1 is coordinator or main contact person marked with blue - not a member of EURON	Contact e-mail	Requested EURON contribution in EUR
1	Robust Vision Based Control for Indoor & Outdoor Applications	<ul style="list-style-type: none"> <li>1) Enric Cervera, UJI-Robotic Intelligence Group, ES</li> <li>2) Danica Kragic, KTH-CAS, SE</li> <li>3) Philippe Martinet, LASMEA-GRAVIR Lab, UBP, FR</li> </ul>	<a href="mailto:enric.cervera@icc.uji.es">enric.cervera@icc.uji.es</a>	73,452
2	Robotics Ontology for the Semantic Web - "ROSE"	<ul style="list-style-type: none"> <li>1) John Hallam, SDU-MIP, DK</li> <li>2) Herman Bruyninckx</li> </ul>	<a href="mailto:john@mip.sdu.dk">john@mip.sdu.dk</a>	35,280
3	Roboethics Atelier	<ul style="list-style-type: none"> <li>1) Gianmarco Veruggio, Scuola di Robotica, IT</li> <li>2) Raja Chatila, LAAS-CNRS, FR</li> <li>3) Paolo Dario, SSSA, IT</li> </ul>	<a href="mailto:info@scuoladirobotica.it">info@scuoladirobotica.it</a>	100,000
4	Dynamical Principles for Intelligent Biomimetic Devices	<ul style="list-style-type: none"> <li>1) Auke Ijspeert, EPFL, CH</li> <li>2) M.Rabinovich, UCSD</li> <li>3) A.Selverston, UCSD</li> <li>4) J.Davis, ONR</li> </ul>	<a href="mailto:auke.ijspeert@epfl.ch">auke.ijspeert@epfl.ch</a>	60,000

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### ***Topical Research Study***

No	Project title	Consortium where nr 1 is coordinator or main contact person marked with blue - not a member of EURON	Contact e-mail	Requested EURON contribution in EUR
1	Robotic Transportation in Public Areas	1) Paolo Fiorini, Univ of Verona, IT 2) Erwin Prassler, Bonn-Rhein-Sieg Univ of Applied Sc, DE 3) Christian Laugier, INRIA Rhone-Alpes & Gravir, FR 4) Zvi Shiller, College of Judea & Samaria, IL 5) Andrea Caffaz, Graaltech, IT 6) Lorenzo Grespan, GrecaV, IT 7) Stefano Schemi, Instituto Don Calabria, IT	<a href="mailto:paolo.fiorini@univr.it">paolo.fiorini@univr.it</a>	69,000
2	SNIFFER	1) Peter van Lith, UVA-IAS, NL 2) Francisco Sandoval, Univ Malaga-E.T.S.I. Telecom, ES	<a href="mailto:peter@lithp.nl">peter@lithp.nl</a>	32,000
3	Automatic Generation of Pavlovian Conditioning in a Robot Dog	1) Cecilio Angulo Bahon, UPC, ES 2) Olivier Michel, Cyberbotics, CH 3) Auke Ijspeert, EPFL, CH	<a href="mailto:cecilio.angulo@upc.es">cecilio.angulo@upc.es</a>	41,580
4	A Survey of User's Expectations of the Functionality of Domestic Robots	1) Guido Bugmann, UPLYM, Rob. Intelligence Lab, UK 2) Jacques Jacot, EPFL-IPR, CH 3) Kerstin Dautenhahn, U Hertfordshire, UK	<a href="mailto:G.Bugmann@plymouth.ac.uk">G.Bugmann@plymouth.ac.uk</a>	31,878
5	Integration of Laparoscope with Force & Torque Sensor	1) Krzysztof Kozlowski, P Poznanska, PL 2) Maxime Gautier, IRCCyN, FR	<a href="mailto:krzysztof.kozlowski@put.poznan.pl">krzysztof.kozlowski@put.poznan.pl</a>	30,000
6	A Spherical Robot for Therapy of Autistic Children	1) Krzysztof Tchon, PWroclawska, Inst.of Eng.&Cybernetics, PL Subcontractor: Inst.of Special Pedagogy, PL 2) Kerstin Dautenhahn, U Hertfordshire, UK 3) Jadran Lenaric, JSI, SI	<a href="mailto:tchon@ict.pwr.wroc.pl">tchon@ict.pwr.wroc.pl</a>	30,000