# International Journal of Social Robotics

## Editorial Board

### Editor-in-Chief

<table>
<thead>
<tr>
<th>No.</th>
<th>Address</th>
<th>Expertise and Interests</th>
<th>Review Category</th>
</tr>
</thead>
</table>
| 1.  | Social Robotics Laboratory Interactive Digital Media Institute The National University of Singapore Tel: +65 6516 6821 Fax: +65 6779 1103 E-mail: samge@nus.edu.sg http://robotics.nus.edu.sg/sge | - Social Robotics  
- Artificial Intelligence  
- Real-time Control  
- Intelligent Digital Media  
- Human Robot Interaction  
- Intelligent Control | 10.000 Types of Social Robotics  
30.000 Artificial Intelligence  
40.000 Human Robot Interaction  
20.060 Intelligent control |

**Professor Shuzhi Sam Ge**  
FIEE, PhD

### Co-editor-in-Chief

<table>
<thead>
<tr>
<th>No.</th>
<th>Address</th>
<th>Expertise and Interests</th>
<th>Review Category</th>
</tr>
</thead>
</table>
| 2.  | Artificial Intelligence Laboratory Computer Science Department Gates Building 1A 353 Serra Mall Stanford University Stanford, CA 94305-9010 USA Tel: (650) 723-9753 Fax: (650) 725-1449 Email: khatib@robotics.stanford.edu http://robotics.stanford.edu/~ok/ | - Autonomous robots  
- Cooperative robots  
- Human-centered robotics  
- Haptic interaction  
- Dynamic simulation  
- Virtual environments  
- Augmented teleoperation  
- Human-friendly robot design | 20.0120 Virtual robots/agents  
20.030 Design methodologies  
20.0100 Haptics and Haptic Interfaces |

**Professor Oussama Khatib**  
FIEE, PhD
### INTERNATIONAL ADVISORY BOARD

<table>
<thead>
<tr>
<th>No.</th>
<th>Address</th>
<th>Expertise and Interests</th>
<th>Review Category</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Professor Ronald Arkin, FIEEE, PhD&lt;br&gt;College of Computing&lt;br&gt;Georgia Institute of Technology&lt;br&gt;Atlanta, Georgia 30332-0280&lt;br&gt;Phone: (404) 894-8209&lt;br&gt;Fax: (404) 894-0957&lt;br&gt;Email: <a href="mailto:ronald.arkin@cc.gatech.edu">ronald.arkin@cc.gatech.edu</a>&lt;br&gt;<a href="http://www.cc.gatech.edu/aimosaic/faculty/arkin">http://www.cc.gatech.edu/aimosaic/faculty/arkin</a></td>
<td>- Human-Robot Interaction&lt;br&gt;- Robot Ethics&lt;br&gt;- Autonomous Systems&lt;br&gt;- Military robotics&lt;br&gt;- Robot Architectures</td>
<td>40.000 Human Robot Interaction&lt;br&gt;50.070 Robot-ethics&lt;br&gt;20.050 Robotic architecture&lt;br&gt;20.080 Software design and development</td>
</tr>
<tr>
<td>2.</td>
<td>Professor Paolo Dario, FIEEE, PhD&lt;br&gt;Research Center in Microengineering, Scuola Superiore Sant’Anna, 56025 Pontedera, Italy&lt;br&gt;Phone: (39) 050 883 420&lt;br&gt;Fax: (39) 050 883 497&lt;br&gt;Email: <a href="mailto:dario@arts.sssup.it">dario@arts.sssup.it</a>&lt;br&gt;Web: <a href="http://www-arts.sssup.it/tiki/tiki-index.php?page=Paolo+Dario">http://www-arts.sssup.it/tiki/tiki-index.php?page=Paolo+Dario</a></td>
<td>- Biorobotics&lt;br&gt;- Biomedical engineering&lt;br&gt;- Biomechatronics&lt;br&gt;- Microengineering</td>
<td>10.020: Bio-robotics and biomedical robotics&lt;br&gt;10.090: Medical robotics</td>
</tr>
</tbody>
</table>
3. **Professor Fumio Hara**, FIEEE, PhD  
Tokyo University of Science  
Zip code:102-0073  
1-14-6 Kudan-Kita, Chiyoda-ku, Tokyo, Japan  
Tel: 03-3260-4271 ext. 1611  
Fax: 03-3221-1284  
Email: harajf@rs.kagu.tus.ac.jp  
- Face robot  
- Human-robot interactive communication  
- Artificial emotion

| 4. | Professor Takeo Kanade  
Elected National Academy of Engineering, FIEEE, FACM, AAAI, PhD | The Robotics Institute  
Carnegie Mellon University  
Tel: (412) 268-3016  
Fax: (412)-268-5570  
Email: tk@cs.cmu.edu  
http://www.ri.cmu.edu/people/kanade_takoe.html |  
- Computer vision  
- Visual and multi-media technology  
- Social robotics  
- Quality of Life Technologies  
| 40.010 Emote and emotion  
40.030 Human-robot communication  
30.080 Social intelligence  
30.090 General Intelligence |

| 5. | Professor Jong-Hwan Kim, PhD  
Robot Intelligence Technology Laboratory,  
Dept of Electrical Engineering and Computer Science  
Korea Advanced Institute of Science and Technology (KAIST)  
Tel: +82-42-350-5448  
E-mail: jhkim@ee.kaist.ac.kr  
http://rit.kaist.ac.kr/ |  
- Ubiquitous Robot,  
- Genetic Robot,  
- Entertainment Robot  
| 10.0140 Ubiquitous robotics  
10.030 Entertainment robotics  
10.040 Education robotics  
10.050 Evolutionary robotics |
|   | Professor Kazuhiro Kosuge  
FIEEE, PhD | System Robotics Laboratory  
Department of Robotics  
Tohoku University  
Aoba 6-6-01, Aramaki, Sendai 980-8579, JAPAN  
Tel: +81-22-795-4035  
Email: kosuge@m.tohoku.ac.jp  
- Robot Coworkers  
- Universal Manipulation  
- Assistive Robotics | 10.010: Assistant robotics  
40.000: Human robot interaction |
|---|---|---|---|
|   | Professor Tzyh Jong Tarn  
Electrical and Systems Engineering Department  
Washington University in St. Louis  
St. Louis, Missouri 63130, USA  
Center for Quantum Information Science and Technology  
Tsinghua University  
Beijing, 100084 People's Republic of China  
Tel: 1 (314) 935 5565  
86 (10) 62797485  
Fax: 1 (314) 935 7500  
Email: tarn@wustl.edu  
Web: http://wuauto.wustl.edu/tjtarn.shtm | - Quantum control  
- Robotics and automation  
- Nanotechnology  
- Mathematical systems theory | 20.060: Intelligent control |
<table>
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<th>No.</th>
<th>Address</th>
<th>Expertise and Interests</th>
<th>Review Category</th>
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</thead>
</table>
| 8.  | Professor Tianmiao Wang, PhD | Robotics Institute 
Beihang University (BUAA), Beijing, China, 100191 
Tel: (86) 10 82338805 
Fax: (86) 10 82338805 
Email: itm@buaa.edu.cn 
Web: [http://robot.buaa.edu.cn/personality/dep17-wangtianmiao.htm](http://robot.buaa.edu.cn/personality/dep17-wangtianmiao.htm) | • Biomimetic robotics  
• Medical and surgical robot  
• Mechatronics  
• Social robot | 10.0130 Service robotics  
10.020 Bio-robotics and biomedical robotics  
20.000 Social robot design |
| 9.  | Professor Yangsheng Xu, FIEEE, PhD | Advanced Robotics Lab 
Dept of Mechanical and Automation Engineering 
The Chinese University of Hong Kong Shatin, NT, Hong Kong 
Tel: (852) 26098484 
Fax: (852) 26036002 
Email: ysxu@acae.cuhk.edu.hk 
Web: [http://arl.acae.cuhk.edu.hk/](http://arl.acae.cuhk.edu.hk/) | • Service robotics  
• Space robotics  
• Wearable interface  
• Robot design | 10.0130 Service robotics  
10.0150 Wearable robotics  
10.030 Entertainment robotics  
10.040 Education robotics  
20.000 Social robot design |

**ASSOCIATE EDITORS**
| 1. | Professor Arvin Agah, PhD | Department of Electrical Engineering and Computer Science  
The University of Kansas  
Lawrence  
KS 66045-7621 USA  
Phone: (785) 864-8821  
Fax: (785) 864-3226  
Email: agah@ku.edu  
http://people.ku.edu/~agah/ | ● Autonomous Mobile  
● Robots  
● Biomedical Robotics  
● Distributed Robotics | 10.020 Bio-robotics and biomedical robotics  
10.010 Assistant robotics  
10.0110 Personal robots  
10.0140 Ubiquitous robotics |
| 2. | Dr. Marcelo H. Ang Jr. PhD | Department of Mechanical Engineering  
National University of Singapore  
9 Engineering Dr 1  
Singapore 117576  
Tel +65 6516-2555  
Fax +65 6779-1459  
E-mail: mpeangh@nus.edu.sg  
Web: http://guppy.mpe.nus.edu.sg/~mpeangh | ● Robots in human environments  
● Mobile manipulation and compliant motion  
● Sensor and actuator networks  
● Autonomous robots | 40.000 Human Robot Interaction  
60.010 Sensors  
60.020 Actuators  
10.0130 Service robotics  
10.0140 Ubiquitous robotics |
| 3. | Dr. Kai O. Arras | Social Robotics Lab  
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Phone: +49 761 203 74 03  
Fax: +49 761 203 75 20  
Email: arras@informatik.uni-freiburg.de  
Web: http://www.informatik.uni-freiburg.de/~arras | ● Robot navigation  
● Robot perception  
● People detection and tracking  
● Motion and path planning  
● SLAM/localization  
● Human-robot interaction  
● Activity recognition | 10.010: Assistant robotics  
10.030: Entertainment robotics  
10.070: Home robotics  
10.110: Personal robots  
10.130: Service robotics  
20.010: Aesthetic design  
20.020: Artistic design  
20.030: Design methodologies  
20.040: Design philosophies  
20.090: Localization and navigation  
30.020: Machine learning  
30.040: Cognitive sciences  
30.080: Social intelligence |
| 4. | Christoph Bartneck, PhD | University of Canterbury  
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Old Math Building, Room 108  
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Christchurch 8140  
New Zealand  
Tel: +64 (3)364 2398  
Fax: +64 (3)364 2095  
Email: christoph@bartneck.de  
http://www.bartneck.de | 30.110: Expectation and intention understanding  
30.130: Pattern recognition  
30.140: Learning and adaptive systems  
30.150: Affective sciences  
40.010: Emote and emotion  
40.020: Human-robot and robot-robot interactions  
40.030: Human-robot communication  
40.040: Human-robot cooperation  
40.080: Interactive robotics arts  
40.090: Interactions and collaboration  
40.110: Metrics of human-robot interaction  
50.010: Social studies  
50.050: Arts  
50.090: Cross disciplinary studies  
60.010: Sensors  
60.030: Sensor fusion  
60.040: Signal processing | 4. Christoph Bartneck, PhD  
University of Canterbury  
HIT Lab NZ  
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Christchurch 8140  
New Zealand  
Tel: +64 (3)364 2398  
Fax: +64 (3)364 2095  
Email: christoph@bartneck.de  
http://www.bartneck.de | 30.110: Expectation and intention understanding  
30.130: Pattern recognition  
30.140: Learning and adaptive systems  
30.150: Affective sciences  
40.010: Emote and emotion  
40.020: Human-robot and robot-robot interactions  
40.030: Human-robot communication  
40.040: Human-robot cooperation  
40.080: Interactive robotics arts  
40.090: Interactions and collaboration  
40.110: Metrics of human-robot interaction  
50.010: Social studies  
50.050: Arts  
50.090: Cross disciplinary studies  
60.010: Sensors  
60.030: Sensor fusion  
60.040: Signal processing |
| **5.** | **Professor Thomas Bräunl**  
SIEEE, SAE, DHV, PhD, Habil.  
The University of Western Australia  
Electrical and Computer Engineering 35 Stirling Hyw.,  
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Phone: +61 8 6488 3897  
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Web: [http://robotics.ee.uwa.edu.au](http://robotics.ee.uwa.edu.au)  
[http://theREVproject.com](http://theREVproject.com)  
| **6.** | **Dr. John John Cabibihan, PhD**  
Department of Mechanical and Industrial Engineering, Qatar University, P.O. Box 2713, Doha, Qatar  
Email: john.cabibihan@qu.edu.qa  
| **7.** | **Professor Darwin G Caldwell, PhD**  
Italian Institute of Technology  
Via Morego, 30, Genoa, 16163 Italy  
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Web: [http://www.iit.it/en](http://www.iit.it/en)  |

### Research Interests

| **5.** | **Intelligent mobile robots**  
**Robot simulation system**  
**Embedded robot vision systems**  
**Automotive systems**  
| **6.** | **Social Robotics**  
**Humanlike Synthetic Skins**  
**Bio-inspired Tactile Sensing**  |

### Keywords

| **5.** | 10.170: Other types of social robotics  
20.060: Intelligent control  
20.120: Virtual robots/agents  
30.080: Social intelligence  
30.090: General intelligence  
30.120: Adaptation and evolution of intelligence  
30.140: Learning and adaptive systems  
30.160: Hybrid intelligent systems  |

| **6.** | 20.030: Design methodologies  
20.100: Haptics and haptic interfaces  
40.020: Human-robot and robot-robot interactions  
40.100: Prosthetics and haptics  
60.010: Sensors  
60.050: Interface  |

| **7.** | 10.080: Humanoid robotics  
20.100: Haptics and haptic interfaces  
40.100: Prosthetics and haptics  
40.120: Others |
<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Affiliation</th>
<th>Research Areas</th>
<th>Courses</th>
</tr>
</thead>
</table>
| 8.  | Professor Maria Chiara Carrozza, PhD | ARTS Lab Advanced robotics Technologies and Systems Laboratory, Scuola Superiore Sant'Anna Pisa Email: carrozza@sssup.it | ● neurobotics  
● artificial hands  
● design of robots  
● for personal assistance  
● interfaces for  
● human-robot interactions | 10.020 Bio-robotics and biomedical robotics  
10.010 Assistant robotics  
40.000 Human Robot Interaction  
20.010 Aesthetic design  
20.020 Artistic design  
40.0100 Prosthetics and haptics |
| 9.  | Professor Kerstin Dautenhahn, PhD | Adaptive Systems Research Group The University of Hertfordshire School of Computer Science United Kingdom Phone: +44-1707-284-333 Fax: +44-1707-284-303 Email: K.Dautenhahn@herts.ac.uk Web: http://homepages.feis.herts.ac.uk/~comqkd/ | ● Human-robot interaction  
● Social learning  
● Robot assisted therapy | 30.020 Machine learning  
30.040 Cognitive Sciences  
10.010 Assistant robotics  
40.000 Human Robot Interaction |
| 10. | Professor Vanessa Evers, PhD | Department of Electrical Engineering, Mathematics and Computer Science, (EEMCS). PO Box 217 NL-7500 AE Enschede the Netherlands Phone: +31 (0)53 489 3740 Fax: +31 (0)53 489 3503 Email: v.evers@utwente.nl Web: http://vanessaevres.wordpress.com/ | ● Interaction with intelligent and autonomous systems  
● Human computer interaction | 40.000 Human Robot Interaction |
<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Position/Institution</th>
<th>Research Interests</th>
<th>Code(s)</th>
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</thead>
</table>
| 11. | Professor Ong Sing Goh, PhD | Faculty of Information Technology and Communication Technical University of Malaysia Melaka (UTeM), Malaysia Tel: +618 9360 7507 Fax: +618 9360 2941 Email: osgoh@ieee.org Web: [http://osgoh.ainibot.org](http://osgoh.ainibot.org) | ● Intelligent agent  
● Software robot  
● Natural Language Understanding  
● Human-Machine Interaction | 20.0120 Virtual robots/agents  
20.0130 Virtual Reality and mixed reality  
40.000 Human Robot Interaction  
40.050 Natural language processing |
| 12. | Dr. Jaap Ham PhD | Department of Human-Technology Interaction IPO 1.36 P.O. Box 513 5600 MB Eindhoven The Netherlands Tel.: +31 40 247 4210 Fax.: +31 40 244 9875 Email: j.r.c.ham@tue.nl Web:[http://hti.ieis.tue.nl/user/8](http://hti.ieis.tue.nl/user/8) | ● Causal attribution  
● Communication, Language  
● Ethics and morality  
● Group processes  
● Judgment and decision making  
● Neuroscience, Psychophysiology | 50.020 Psychology  
40.000 Human Robot Interaction |
| 13. | Dr. Guido Herrmann SenMIEEE, MIET Ph.D | Bristol Robotics Laboratory, Dynamics and Control Research Group Department of Mechanical Engineering University of Bristol, U.K. Tel.: +44-117-928 8100 / 8208 Fax.: +44-117-929 4423 Email: g.herrmann@bristol.ac.uk Web: [http://eis.bris.ac.uk/~mexgh/gherrmann.htm](http://eis.bris.ac.uk/~mexgh/gherrmann.htm) | ● Humanoid robotics  
● Humanoid control  
● Non-linear control  
● Neural network adaptive control  
● Servo-control | 10.080 Humanoid Robots  
20.060 Intelligent control  
30.0140 Learning and adaptive systems |
<table>
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<th>Name</th>
<th>Department/Institution</th>
<th>Research Interests</th>
<th>Topics</th>
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</thead>
<tbody>
<tr>
<td>14</td>
<td>Professor Qiang Huang</td>
<td>Department of Mechanical and Electronic Engineering,</td>
<td>Humanoid biomimetic robots, Audiovisual human-computer interaction technology, Robot network communication and remote operation control</td>
<td>10.000: Types of Social Robotics 40.000: Human robot interaction</td>
</tr>
<tr>
<td></td>
<td>PhD</td>
<td>Beijing Institute of Technology Beijing, China</td>
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<td>Tel.: +86-010-68949988 Email: <a href="mailto:qhuang@bit.edu.cn">qhuang@bit.edu.cn</a> Web: <a href="http://grd.bit.edu.cn/index.asp?modelname=dsqk_nr&amp;recno=89">http://grd.bit.edu.cn/index.asp?modelname=dsqk_nr&amp;recno=89</a></td>
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<tr>
<td></td>
<td>PhD</td>
<td>Department of Mechatronics Engineering Chungnam National University Daejeon, Korea</td>
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<td>Tel: +82-42-821-6876 Fax: +82-42-823-4919 Email: <a href="mailto:jungs@cnu.ac.kr">jungs@cnu.ac.kr</a> Web: <a href="http://isee.cnu.ac.kr">http://isee.cnu.ac.kr</a></td>
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<tr>
<td>16</td>
<td>Dr Takayuki Kanda,</td>
<td>ATR Intelligent Robotics &amp; Communication Labs</td>
<td>Human-robot interaction, Interactive Robotics, Cooperative embodied communication, Field research</td>
<td>40.000: Human Robot Interaction 40.030 Human-robot communication</td>
</tr>
<tr>
<td></td>
<td>PhD</td>
<td>Kyoto, Japan Tel: +81 774 95 1424 Fax: +81 774 95 1408 Email: <a href="mailto:kanda@atr.jp">kanda@atr.jp</a> <a href="http://www.irc.atr.jp/~kanda/">http://www.irc.atr.jp/~kanda/</a></td>
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</tbody>
</table>
| 17. | Dr. Kolja Kühnlenz, PhD | Dynamic Vision Research Laboratory, Inst. of Automatic Control Engineering, Technische Universität München, Tel: +49-89-289-28396, Fax: +49-89-289-28340, E-mail: koku@tum.de Web: [http://www.lsr.ei.tum.de/](http://www.lsr.ei.tum.de/) | • Computer Vision  
• Social Robotics  
• Emotions  
• Attention  
• Robots and Interfaces in Arts | 20: Social robot design  
40: Human robot interaction  
40.010: Emote and emotion  
50.050: Arts |
| 18. | Professor Dong-Soo Kwon, PhD | Human-Robot Interaction Research Center Dept. of Mechanical Engineering Korea Advanced Institute of Science and Technology(KAIST) Tel:+82-42-869-3042 Email: kwonds@kaist.ac.kr [http://robot.kaist.ac.kr](http://robot.kaist.ac.kr) [http://hri.kaist.ac.kr](http://hri.kaist.ac.kr) | • Human-Robot Interaction  
• Medical Robotics  
• Haptics  
• Telerobotics | 40.000 Human Robot Interaction  
10.090 Medical robotics  
20.0100 Haptics and Haptic Interfaces  
60.080 Networks and communication |
<table>
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<th>Research Interests</th>
<th>Assignable Keywords</th>
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</thead>
</table>
| 19. | Dr. Haizhou Li, PhD         | Human Language Technology Institute for Infocomm Research 21 Heng Mui Keng Terrace Singapore 119613 Tel: +65 6874 6242 Fax: +65 6774 4998 E-mail: hli@i2r.a-star.edu.sg Web: http://www1.i2r.a-star.edu.sg/~hli | - Spoken Dialogue Technology  
- Natural Language Processing  
- Human Robot Interaction  
- Pattern Recognition  
- Multimodal Interface | 40.050 Natural language processing  
40.000 Human Robot Interaction  
30.0130 Pattern recognition  
40.050 Natural language processing  
40.020 Human-Robot and Robot-robot Interactions |
| 20. | Dr. Pierre-Yves Oudeyer, PhD | INRIA Bordeaux Sud-Ouest Bat. 29 351, cours de la liberation 33405 Talence Cedex France Tel: + 33 1 5 24 57 40 30 Email: pv@csl.sony.fr Web: http://www.pyoudeyer.com/ | - developmental robotics  
- artificial curiosity  
- language acquisition  
- intrinsic motivation  
- social learning  
- intuitive human-robot interaction  
- entertainment robotics | 20.030 Design methodologies  
30.060 Information acquisition and decision making  
20.040 Design philosophies  
20.050 Robotic architecture  
40.050 Natural language processing  
30.020 Machine learning  
30.040 Cognitive Sciences  
40.000 Human Robot Interaction  
40.050 Natural language processing |
| 21. | Dr. Hong Qiao, PhD          | Institute of Automation Chinese Academy of Sciences Zhongguancunlu #95 Beijing Fax: 10-6254 5229 Email: hong.qiao@mail.ia.ac.cn http://www.ia.ac.cn | - Robotics  
- Machine learning  
- Pattern recognition | 30.020 Machine learning  
30.0130 Pattern recognition  
10.000 Types of Social Robotics |
<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Affiliation</th>
<th>Research Interests</th>
<th>Courses Offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>Professor Nicholas Roy</td>
<td>Computer Science and Artificial Intelligence Laboratory, MIT</td>
<td>• Machine learning&lt;br&gt;• Partially Observable Markov Decision Processes&lt;br&gt;• Multi-agent Robotics&lt;br&gt;• Motion Planning&lt;br&gt;• Dialogue management</td>
<td>30.020 Machine learning&lt;br&gt;40.090 Interaction and collaboration&lt;br&gt;40.020 Human-Robot and Robot-robot Interactions&lt;br&gt;40.030 Human-robot communication&lt;br&gt;30.060 Information acquisition and decision making</td>
</tr>
<tr>
<td>23</td>
<td>Professor Brian Scassellati, PhD</td>
<td>Department of Computer Science, Yale University</td>
<td>• humanoid robots&lt;br&gt;• active vision systems&lt;br&gt;• visual-motor coordination&lt;br&gt;• developmental models&lt;br&gt;• social learning&lt;br&gt;• cognitive science</td>
<td>10.080 Humanoid Robots&lt;br&gt;30.040 Cognitive Sciences&lt;br&gt;30.0170 Computer vision&lt;br&gt;30.020 Machine learning&lt;br&gt;30.0110 Expectation and intention understanding&lt;br&gt;30.0120 Adaptation and evolution of intelligence</td>
</tr>
<tr>
<td>24</td>
<td>Professor Kerstin Severinson-Eklundh, PhD</td>
<td>Human Computer Interaction Group, School of Computer Science and Communication, KTH – Royal Institute of Technology, Stockholm, Sweden</td>
<td>• Human-robot interaction&lt;br&gt;• User-centered design of service robots&lt;br&gt;• Computer-mediated communication and cooperative work</td>
<td>10.0130 Service robotics&lt;br&gt;40.000 Human-robot interaction&lt;br&gt;40.040 Human-robot cooperation&lt;br&gt;40.070 Human factors and ergonomics&lt;br&gt;50.010 Social studies&lt;br&gt;50.0100 Cross-disciplinary studies&lt;br&gt;60.050 Interface</td>
</tr>
<tr>
<td></td>
<td>Professor</td>
<td>Institution</td>
<td>Research Interests</td>
<td>Types of Social Robotics</td>
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<tr>
<td>27.</td>
<td>Miguel A Salichs, PhD</td>
<td>Robotics Lab University Carlos III of Madrid</td>
<td>- Intelligent autonomous robots  - Human-robot  - Interaction  - Social robotics</td>
<td>10.000 Types of Social Robotics 40.000 Human Robot Interaction 30.000 Artificial Intelligence</td>
</tr>
</tbody>
</table>
| 28. | **Professor Jianbo Su, PhD**  
Department of Automation  
Shanghai Jiao Tong University  
800 Dongchuan Road  
Shanghai, 200240  
P.R.China  
Tel/Fax: 86-21-34204276  
E-mail: jbsu@sjtu.edu.cn  
Web: http://rcir.sjtu.edu.cn/en/peoples/jbsu.html | • Sensor-based robotics  
• Networked robots  
• Humanoid robots | 10.080 Humanoid Robots  
60.080 Networks and communication  
60.010 Sensors  
60.030 Sensor fusion |
| 29. | **Associate Professor Adriana Tapus, PhD**  
Ecole Nationale Superieure de Techniques Avancees (ENSTA-ParisTech)  
Cognitive Robotics Lab  
32 Blvd Victor  
75015, Paris  
France  
Tel: +33 1 45 52 60 75  
Fax: +33 1 45 52 83 27  
Email: adriana.tapus@ensta-paristech.fr  
Web: http://www.ensta-paristech.fr/~tapus | Human-Robot Interaction  
Assistive Robotics  
Social Learning  
Long-term Learning and Adaptation | 10.010: Assistant robotics  
40: Human robot interaction  
40.030: Human-robot communication |
| 30. | **Professor Kevin Kok Wai Wong, PhD**  
School of Information Technology  
Murdoch University  
South St, Murdoch, Western Australia 6150  
Tel: +61 8 9360 6100  
Fax: +61 8 9360 2941  
Email: K.Wong@murdoch.edu.au  
Web: http://www.it.murdoch.edu.au/~20001310/ | • Computational Intelligence  
• Interactive Entertainment | 10.030: Entertainment robotics  
10.040: Education robotics  
10.160: Games and virtual robotics/agents  
20.060: Intelligent control  
30.020: Machine learning  
30.030: Computational intelligence  
30.160: Hybrid intelligent systems |
<table>
<thead>
<tr>
<th>31.</th>
<th>Professor Mary-Anne Williams</th>
</tr>
</thead>
</table>
| **Human-Robot Collaboration Studio**  
University of Technology, Sydney  
NSW 2007, Australia  
Tel: +61 2 9514 2663  
Fax: +61 2 9514 2868  
Email: Mary-Anne.Williams@uts.edu.au  
Web: http://innovation.it.uts.edu.au/Mary-Anne |
| • Human-Robot Collaboration  
• Cognitive Architectures and Design  
• Bioinspired Robotics  
• Robots and the Law  
• Robot Perception and Actuation Experience  
• Self-Awareness, Attention, Anticipation  
• Robot Life Long Learning  
• Robot Autonomy |
| 10.020: Bio-robotics and biomedical robotics  
30.040: Cognitive sciences  
40.040: Human-robot cooperation  
50.010: Social studies  
50.070: Robot-ethics |

<table>
<thead>
<tr>
<th>32.</th>
<th>Professor Caihua Xiong, PhD</th>
</tr>
</thead>
</table>
| **Institute of Rehabilitation and Medical Robotics**  
School of Mechanical Science and Engineering  
Huazhong University of Science and Technology  
Wuhan, Hubei 430074, China  
Email: chxiong@mail.hust.edu.cn |
| • Rehabilitation robotics  
• Biorobotics  
• Motion planning  
• Robot design |
| 10.020: Bio-robotics and biomedical robotics  
10.120: Rehabilitation and therapeutic robotics  
20.050: Robotic architecture  
20.080: Software design and development |
<table>
<thead>
<tr>
<th>No.</th>
<th>Professor Name</th>
<th>Affiliation</th>
<th>Address</th>
<th>Email</th>
<th>Website</th>
<th>Research Interests</th>
</tr>
</thead>
</table>
| 33. | Professor Cecilia Laschi       | Scuola Superiore Sant’Anna, The BioRobotics Institute viale Rinaldo Piaggio 34, 56025 Pontedera (Pisa) | Email: cecilia.laschi@sssup.it<br>Web: [http://www.bioroboticsinstitute.it/](http://www.bioroboticsinstitute.it/), [http://sssa.bioroboticsinstitute.it/user/57](http://sssa.bioroboticsinstitute.it/user/57) |  |  | - Soft Robotics  
- Biomimetic and Bioinspired Robotics  
- Humanoid Robotics  
- Entertainment Robotics  
- Types of Social Robotics  
- Social robot design  
- Artificial intelligence  
- Human robot interaction  
- Related studies of social robotics  
- Related technical modules  |
| 34. | Professor Martin Smith         | Middlesex University London           | Email: M.C.Smith@mdx.ac.uk<br>Website: [www.mdx.ac.uk](http://www.mdx.ac.uk) |  |  | - Sensors  
- Actuators  
- Educational robots  
- Entertainment robots  
- Types of Social Robotics  
- Related studies of social robotics  
- Related technical modules  |
| 35. | Professor Monica Nicolescu     | University of Nevada, Reno            | Email: monica@cse.unr.edu<br>Website: [http://www.cse.unr.edu/~monica/](http://www.cse.unr.edu/~monica/) |  |  | - Human Robot Interaction  
- Social Robotics  
- Robot Learning  
- Artificial Intelligence  
- Types of Social Robotics  
- Social robot design  
- Artificial intelligence  
- Human robot interaction  
- Related studies of social robotics  
- Related technical modules  |
| 36. | **Professor Alessandro Saffiotti**
Affiliation: Örebro University  
Address: Örebro, Sweden  
Email: asaffio@aass.oru.se  
Website: http://aass.oru.se/~asaffio/  
|  
- Cognitive robotics  
- Artificial Intelligence  
- Technologies for elder care  
- Reasoning under Uncertainty  
| 10.070: Home robotics  
10.110: Personal robots  
10.140: Ubiquitous robotics  
20.050: Robotic architecture  
30.050: Deduction, reasoning and problem solving  
30.070: Knowledge representation and manipulation  
30.160: Hybrid intelligent systems  
30.170: Others: planning  
40.020: Human-robot and robot-robot interactions  
| 37. | **Dr. Ho Seok AHN**
Affiliation: The University of Auckland  
Address: Robotics Research Group, Department of Electrical and Computer Engineering, University of Auckland, Science Building 301, 38 Princess Street, Auckland, New Zealand  
Email: hoseoka@gmail.com  
Website: https://sites.google.com/site/hoseokaahn  
|  
- Artificial Emotion System  
- Cultural Robotics  
- Human-Robot Interaction  
- Robot Face  
| 40.010: Emote and emotion Robot  
40.020: Human-robot and robot-robot interactions  
10.030: Entertainment robotics  
10.060: Healthcare robotics  |
<table>
<thead>
<tr>
<th>#</th>
<th>Name</th>
<th>Affiliation</th>
<th>Interests</th>
<th>Course Codes</th>
</tr>
</thead>
</table>
| 38 | Professor Ryad Chellali | Istituto Italiano di Tecnologia, Via Morego 30, Genova, Italy | - Human Robots Interactions (perception, cognition)  
- Human Behavior Analysis  
- SR Applications in Healthcare (rehabilitation, diagnosis and monitoring)  
- Engineering robots in SR (control, perception) | 10.130 : Service robotics)  
20.030 : Design methodologies)  
30.030 : Computational intelligence) |
| 39 | Dr. Agnieszka Wykowska | General and Experimental Psychology, Dept. of Psychology, Ludwig-Maximilians-Universität Munich, Germany | - Social robotics  
- Human-robot interaction  
- Cognitive and social neuroscience  
- Fundamental mechanisms underlying human social cognition  
- Metrics of human-robot interaction | 30.040: Cognitive sciences  
30.080: Social intelligence  
30.110: Expectation and intention understanding  
40.030: Human-robot communication  
40.040: Human-robot cooperation  
40.110: Metrics of human-robot interaction  
50.020: Psychology  
50.030: Neural Sciences |
| 40 | Professor Aude Billard | EPFL, Station 9, 1015 Lausanne | - Machine Learning  
- Human-Robot Interaction  
- Programming by Demonstration  
- Learning from Demonstration | 10.030 Entertainment robotics  
30.020 Machine learning  
30.140 Learning and adaptive systems |
<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Address</th>
<th>Research Interests</th>
<th>Courses</th>
</tr>
</thead>
</table>
| 41. | Professor Henrik Scharfe | Aalborg University  
Department of Communication  
Nyhavnsgade 14, Room 3.40 9000  
Aalborg DK - Denmark  
Email: scharfe@hum.aau.dk  
Website: http://www.hum.aau.dk/~scharfe/index.html | - Communication and Informatics  
- Humanoid Robots  
- Human Robot Interaction  
- Conceptual Structures  
- Knowledge Representation  
- Persuasive Design  
- Literary theory  
- Narratology  
- Epistemic narratology | 40.030: Human-robot communication  
40.040: Human-robot cooperation  
40.010: Emote and emotion Robot |
| 42. | Professor Wang Yaonan | College of Electrical and Information Engineering, Hunan University, China  
Email: yaonan@hnu.cn  
Website: http://www.hnu.edu.cn/html/jiaoyujiaoxue/shiziduiwu/boshishengdaoshi/2010-08-10/957.html | - Electrical Engineering  
- Control Science and Engineering  
- Intelligent Robotics | 30.000 Artificial Intelligence  
40.000 Human Robot Interaction  
20.060 Intelligent control |
| 43 | Professor Luisa Damiano | Address: Piazzale S. Agostino, 2, Room 10, 24129 Bergamo, Italy  
Email: luisa.damiano@gmail.com; luisa.damiano@unibg.it  
Website: http://unibg.academia.edu/LuisaDamiano | • Philosophy of Science  
(Epistemology of the Sciences of the Artificial; Epistemology of the Cognitive Sciences)  
• Epistemology of Complex Systems  
• Social Robotics  
• Human Robot Interaction  
• Artificial Empathy  
• Cognitive Robotics  
• Synthetic Biology | 10, Social Robotics (Philosophical aspects)  
40, Human-Robot Interaction (Philosophical aspects)  
30.040 Cognitive Sciences  
30.080 Social Intelligence  
30.150 Affective sciences  
30.170 Embodiment |
| 44 | Professor Fuchun Sun | Address: Room 511, FIT Building, Tsinghua University, Beijing 100084, P.R.China  
Email: fcsun@tsinghua.edu.cn  
Website: http://www.cs.tsinghua.edu.cn/publish/cs/4616/2013/20130424102559852515182/20130424102559852515182_.htm1 | • Robot fine operation and teleoperation  
• Cross modal fusion for robot action  
• Brain inspired robot control  
• Mobile robot navigation and control | 10.100: Neuro-robotics  
30.030: Computational intelligence  
30.040: Cognitive sciences |
<table>
<thead>
<tr>
<th>Dr. Amit Kumar Pandey</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address: SoftBank Robotics Europe (formerly Aldebaran Robotics)</td>
</tr>
<tr>
<td>43, rue du Colonel Pierre Avia, 75015 Paris, France</td>
</tr>
<tr>
<td>Email: <a href="mailto:akpandey@aldebaran-robotics.com">akpandey@aldebaran-robotics.com</a></td>
</tr>
<tr>
<td>Website: <a href="http://www.amitkpandey.com">http://www.amitkpandey.com</a></td>
</tr>
</tbody>
</table>

- Socially Intelligent Robots
- Human Robot Interaction
- Social Robot Learning
- Socially-Aware Navigation and Manipulation
- AI and Cognition
- Social and Ethical Issues of Robotics
- Societal Applications of Social Robots

<table>
<thead>
<tr>
<th>(10): Types of Social Robotics</th>
</tr>
</thead>
<tbody>
<tr>
<td>.010: Assistant robotics</td>
</tr>
<tr>
<td>.030: Entertainment robotics</td>
</tr>
<tr>
<td>.040: Education robotics</td>
</tr>
<tr>
<td>.050: Evolutionary robotics</td>
</tr>
<tr>
<td>.060: Healthcare robotics</td>
</tr>
<tr>
<td>.070: Home robotics</td>
</tr>
<tr>
<td>.080: Humanoid robotics</td>
</tr>
<tr>
<td>.110: Personal robots</td>
</tr>
<tr>
<td>.120: Rehabilitation and therapeutic robotics</td>
</tr>
<tr>
<td>.130: Service robotics</td>
</tr>
<tr>
<td>.140: Ubiquitous robotics</td>
</tr>
</tbody>
</table>

- (20): Social robot design |
| .010: Aesthetic design |
| .020: Artistic design |
| .030: Design methodologies |
| .040: Design philosophies |
| .050: Robotic architecture |
| .060: Intelligent control |

- (30): Artificial intelligence |
| .020: Machine learning |
| .030: Computational intelligence |
| .040: Cognitive sciences |
| .060: Information acquisition and decision making |
| .070: Knowledge representation and manipulation |
| .080: Social intelligence |
| .090: General intelligence |
| .100: Context awareness |
| .110: Expectation and intention understanding |
| .120: Adaptation and evolution of intelligence |
| Address: University of Tennessee, Knoxville | Machine Learning | 10.010: Assistant robotics |
| 1512 Middle Dr., Knoxville, TN, 37996 | Intelligent Robotics | 30.020: Machine learning |
| Email: he@utk.edu | Computer Vision | 30.050: Deduction, reasoning and problem solving |
| | Smart Sensors | 30.130: Pattern recognition |
| | 60.010: Sensors | 46 |

- Learning and adaptive systems
- Hybrid intelligent systems
  - Human robot interaction
  - Human-robot and robot-robot interactions
  - Human-robot communication
  - Human-robot cooperation
  - Human factors and ergonomics
  - Interactive robotics arts
  - Interactions and collaboration
  - Metrics of human-robot interaction
- Related studies of social robotics
  - Social studies
  - Psychology
  - Neural Sciences
  - Physiology
  - Arts
  - Bio-sciences
  - Robot-ethics
  - Artificial life
  - Cross disciplinary studies
  - Others
- Related technical modules
  - Sensors
| Dr. Hongsheng He | Address: Faculty of Industrial Design Eindhoven University of Technology Laplace 32 5612 AZ Eindhoven Email: e.i.barakova@tue.nl Website: [http://www.idemployee.id.tu.e.nl/e.i.barakova/](http://www.idemployee.id.tu.e.nl/e.i.barakova/) | • Robots for socially isolated individuals (persons with ASD, elderly with dementia) • Emotions in robots • End-user programming environments for robotics • Embodied models of social behavior | (10): Types of Social Robotics .120: Rehabilitation and therapeutic robotics (20): Social robot design .080: Software design and development (30): Artificial intelligence .080: Social intelligence (40): Human robot interaction .010: Emote and emotion |