Publications

Séverin Lemaignan

h-index: 20 − Citations: 1536 (source: Google Scholar, checked on 24/10/2018)

International peer-reviewed journals

- Lemaignan, S., Edmunds E. R., C., Senft, E., Belpaeme, T.
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- Senft, E., Baxter, P., Kennedy, J., Lemaignan, S., Belpaeme, T.
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- Lemaignan, S., Warnier, M., Sisbot, E.A., Clodic, A., Alami, R.
  Artificial Cognition for Social Human-Robot Interaction: An Implementation
  Artificial Intelligence 2017. DOI: `10.1016/j.artint.2016.07.002`.

- Lemaignan, S., Jacq, A., Hood, D., Garcia, F., Paiva, A., Dillenbourg, P.
  Learning by Teaching a Robot: The Case of Handwriting
  IEEE Robotics and Automation Magazine 2016. DOI: `10.1109/MRA.2016.2546700`.

- Dillenbourg, P., Lemaignan, S., Sangin, M., Nova, N., Molinari, G.
  The Symmetry of Partner Modelling
  Intl. J. of Computer-Supported Collaborative Learning 2016. DOI: `10.1007/s11412-016-9235-5`.

- Lemaignan, S.
  Grounding the Interaction: Knowledge Management for Interactive Robots [dissertation abstract]
  Künstliche Intelligenz 2013. DOI: `10.1007/s13218-013-0246-3`.

- Lallée, S., Pattacini, U., Lemaignan, S., Lenz, A., Melhuish, C., Natale, L., Skachek, S., Hamann, K., Steinwender, J., Sisbot, E.A., Metta, G., Pipe, T., Alami, W., Warnier, M., Guitton, J., Warneken, F., Dominey, P.F.
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- Lemaignan, S., Ros, R., Sisbot, E. A., Alami, R., Beetz M.
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  International Journal of Social Robotics 2011. DOI: `10.1007/s12369-011-0123-x`.

International peer-reviewed conference articles (6-8 pages)

- Wallbridge, C., van den Berghe, R., Hernández García, D., Kanero, J., Lemaignan, S., Edmunds, C., Belpaeme, T.
  Using a Robot Peer to Encourage the Production of Spatial Concepts in a Second Language
  HAI 2018. DOI: `10.1145/3284432.3284433`.

- Lemaignan, S., Sallami, Y., Wallbridge, C., Clodic, A., Alami, R.
  underworlds: Cascading Situation Assessment for Robots
  IROS 2018.

○ Senft, E., Lemaignan, S., Bartlett, M., Baxter, P., Belpaeme, T.
Robots in the classroom: Learning to be a Good Tutor
HRI – Workshop R4L 'Robots for Learning' 2018.

○ Irfan, B., Kennedy, J., Lemaignan, S., Papadopoulos, F., Senft, E., Belpaeme, T.
Social psychology and Human-Robot Interaction: an Uneasy Marriage
alt.HRI 2018. DOI: 10.1145/3173386.3173389.

○ Wallbridge, C., Lemaignan, S., Belpaeme, T.
Qualitative Review of Object Recognition Techniques for Tabletop Manipulation
HAI 2017. DOI: 10.1145/3125739.3132593.

○ Senft, E., Lemaignan, S., Baxter, P., Belpaeme, T.
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○ Özgür, A., Lemaignan, S., Johal, W., Beltran, M., Briod, M., Pereyre, L., Mondada, F., Dillenbourg, P.
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○ Kennedy, J., Lemaignan, S., Montassier, C., Lavalade, P., Irfan, B., Papadopoulos, F., Senft, E., Belpaeme, T.
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○ Chandra, S., Alves-Oliveira, P., Lemaignan, S., Sequeira, P., Paiva, A., Dillenbourg, P.
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○ Hostettler, L., Özgür, A., Lemaignan, S., Dillenbourg, P., Mondada, F.
Real-Time High-Accuracy 2D Localization with Structured Patterns
ICRA 2016. DOI: 10.1109/ICRA.2016.7487653.

○ Baxter, P., Kennedy, J., Senft E., Lemaignan, S., Belpaeme, T.
From Characterising Three Years of HRI to Methodology and Reporting Recommendations
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○ Lemaignan, S., Garcia, F., Jacq, A., Dillenbourg, P.
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○ Baxter, P., Ashurst, E., Kennedy, J., Senft, E., Lemaignan, S., Belpaeme, T.
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○ Lemaignan, S., Fink, J., Mondada, F., Dillenbourg, P.
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○ Lemaignan, S., Hosseini, A., Dillenbourg, P.
pyRobots: a Toolset for Robot Executive Control
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○ Karim, M. E., Lemaignan, S., Mondada, F.
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○ Lemaignan, S., Dillenbourg, P.
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HRI 2015. DOI: `10.1145/2696454.2696493`.

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When Children Teach a Robot to Write: An Autonomous Teachable Humanoid Which Uses Simulated Handwriting
HRI 2015. DOI: `10.1145/2696454.2696479`.

○ Fink, J., Rétornaz, P., Vaussard, F., Wille, F., Franinović, K., Berthoud, A., Lemaignan, S., Dillenbourg, P., Mondada, F.
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○ Lemaignan, S., Fink, J., Dillenbourg, P., Braboszcz, C.
The Cognitive Correlates of Anthropomorphism
Workshop A bridge between Robotics and Neuroscience - HRI 2014.

○ Lemaignan, S., Alami, R.
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○ Echeverria, G., Lemaignan, S., Degroote, A., Lacroix, S., Karg, M., Koch, P., Lesire, C., Stinckwich, S.
Simulating complex robotic scenarios with MORSE
SIMPAR 2012. DOI: `10.1007/978-3-642-34327-8_20`.

○ Warnier, M., Guitton, J., Lemaignan, S., Alami, R.
When the Robot Puts Itself in Your Shoes. Managing and Exploiting Human and Robot Beliefs
RoMAN 2012. DOI: `10.1109/ROMAN.2012.6343872`.

○ Alami, R., Warnier, M., Guitton, J., Lemaignan, S., Sisbot, E. A.
When the robot considers the human...
ISRR 2011.

○ Lallée, S., Pattacini, U., Boucher, J.D., Lemaignan, S., Lenz, A., Melhuish, C., Natale, L., Skachek, S., Hamann, K., Steinwender, J., Sisbot, E.A., Metta, G., Alami, R., Warnier, M., Guitton, J., Warneken, F., Dominey, P.F.
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○ Lemaignan, S., Ros, R., Alami, R., Beetz, M.
What are you talking about? Grounding dialogue in a perspective-aware robotic architecture
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○ Echeverria, G., Lassabe, N., Degroote, A., Lemaignan, S.
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Which One? Grounding the Referent Based on Efficient Human-Robot Interaction
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- Lallée, S., Lemaignan, S., Lenz, A., Melhuish, C., Natale, L., Skachek, S., van Der Zant, T., Warneken, F., Dominey, P.F.
  Towards a Platform-Independent Cooperative Human-Robot Interaction System: I. Perception
  IROS 2010. DOI: `10.1109/IROS.2010.5652697`.

- Mallet, A., Pasteur, C., Herrb, M., Lemaignan, S., Ingrand, F.
  GenoM3: Building middleware-independent robotic components
  ICRA 2010. DOI: `10.1109/ROBOT.2010.5509539`.

- Mehani, O., Benenson, R., Lemaignan, S., Ernst, T.
  Networking Needs and Solutions for Road Vehicles at Imara
  ITST 2007. DOI: `10.1109/ITST.2007.4295894`.

- Stinckwich, S., Lemaignan, S., Saidani, S.
  SqueakBot: a Pedagogical Robotic Platform
  C5 Conference 2007. DOI: `10.1109/C5.2007.28`.

- Lemaignan, S., Siadat, A., Dantan, J.Y., Semenenko, A.
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  IEEE Workshop on Distributed Intelligent Systems (DIS) 2006. DOI: `10.1109/DIS.2006.48`.

Short peer-reviewed publications

- Bartlett, M., Belpaeme, T., Thill, S., Edmunds, C. E. R., Lemaignan, S.
  What Can You See? Identifying Cues on Internal States from the Kinematics of Natural Social Interactions
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- Senft, E., Lemaignan, S., Baxter, P., Belpaeme, T.
  Leveraging Human Inputs in Interactive Machine Learning for Human Robot Interaction
  HRI 2017. DOI: `10.1145/3029798.3038385`.

- Senft, E., Lemaignan, S., Baxter, P., Belpaeme, T.
  SPARC: an efficient way to combine reinforcement learning and supervised autonomy
  NIPS - Proc. of the Future of Interactive Learning Machines (FILM) Workshop 2016.

- Lemaignan, S., Kennedy, J., Baxter, P., Belpaeme, T.
  Towards Machine-Learnable Child-Robot Interactions: the PInSoRo Dataset
  RoMAN - Workshop on Long-term Child-robot Interaction 2016.

- Kennedy, J., Lemaignan, S., Belpaeme, T.
  The Cautious Attitude of Teachers Towards Social Robots in Schools
  RoMAN - Workshop on Robots for Learning 2016.

- Senft, E., Baxter, P., Kennedy, J., Lemaignan, S., Belpaeme, T.
  Providing a Robot with Learning Abilities Improves its Perception by Users
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- Lemaignan, S., Ros, R., Alami, R.
  Dialogue in situated environments: A symbolic approach to perspective-aware grounding, clarification and reasoning for robots
  Workshop Grounding Human-Robot Dialog for Spatial Tasks - RSS 2011.
- Lemaignan, S., Sisbot, E. A., Alami, R.
  Anchoring interaction through symbolic knowledge
  HRI Pioneers - HRI 2011. ISBN: 978-0-557-79488-1.
- Ros, R., Sisbot, E. A., Lemaignan, S., Pandey, A. K., Alami, R.
  Robot, tell me what you know about...?: Expressing robot's knowledge through interaction
  ICAIR 2010.

Book chapters

- Mondada, F., Fink, J., Lemaignan, S., Mansolino, D., Wille, F., Franinović, K.
  Ranger, an Example of Integration of Robotics into the Home Ecosystem
  2015.
- Lemaignan, S., Alami, R., Pandey, A. K., Warnier, M., Guitton, J.
  Towards Grounding Human-Robot Interaction
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Dissertation

- Lemaignan, S.
  Grounding the Interaction: Knowledge Management for Interactive Robots
  CNRS - LAAS | TU München - Intelligent Autonomous Systems lab 2012.