



## An Introduction to LOVOTICS

Amit Kumar Pandey\*

Research Scientist, Aldebaran Robotics, 168 bis 170 rue Raymond Losserand, 75014 Paris, France

\*Corresponding author: Amit Kumar Pandey, Research Scientist, Aldebaran Robotics, 168 bis 170 rue Raymond Losserand, 75014 Paris, France. Tel: +33 608230665; E-mail: [akpandey@alderbaran-robotics.com](mailto:akpandey@alderbaran-robotics.com)

Received date: March 10, 2014, Accepted date: March 11, 2014, Published date: March 20, 2014

Copyright: © 2014 Amit Kumar Pandey. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

### Editorial

On behalf of the Editorial Board of the Journal of *Lovotics*, it is our great pleasure to introduce the journal. Launching this new journal would not have been possible without the significant support from the International Editorial Board members and precious contributions of authors and reviewers.

*Lovotics*, as a discipline, aims to elevate the Social Robotics and Human Robot Interaction towards affection and friendship between the robot and the human partner. The aim of the journal is to serve as a platform for researchers across the world to share their latest research, development and innovation in the field of *Lovotics*, for the benefit of the robotics community and with the vision to contribute for the betterment of the society.

This first issue of the journal features eight contributions from around the world, highlighting different aspects and results for *Lovotics*. The first paper by *Lanza*, exploits the idea that why not the computers can be creative, and explores the possibilities of computer 'thinking' of 'electric poems'. The second paper by *Cooney* highlights how the social well-being aspect, one of the main goals of *Lovotics*, can be studied. It explores the roles of perceived enjoyment, affection and proactive engagement of the robot. *Lovotics* as a discipline intends to build a long lasting and close relationship between the human and the robot. The third paper by *Pandey* discusses the range of key questions and the basic ingredients for building such robots and suggests taking

into account the broader notion of the Uncanny Valley from *Lovotics* perspective.

The feeling of being loved in a remote communication is studied in the fourth paper by *Kuwamura*. Their system Active Co-Presence allows users to virtually hug a person in the remote site through the medium. The fifth paper by *Levy* explores the possibilities of more intimate relation between a robot and a human. From this perspective, he talks about the *Roxxy* robot and investigates the promises made and the 'services' it delivers. The sixth paper by *Pagnon* explores the aspect of autonomy and discusses some common guidelines and factors to develop autonomous vehicles. The seventh paper by *Riccillo* distinguishes tele presence from remote controlled robot, where the former has the *Lovotics* ingredient of 'feel'. It discusses such Avatars in an interactive office setting. Finally, the paper by *Jamisola* discusses how to transfer to machines the notion of love and affection, which are some of the core ingredients of a *Lovotics robot*.

While these papers provide an interesting walkthrough of the field of *Lovotics*, the associated challenges and the potential solutions, they also give the clear idea that the field is in its infancy but at the same time very promising for the well-being of the society. We hope that the collection of articles in this issue of the Journal of *Lovotics* will elevate the understanding of the readers about the field and pave the path for the more serious investigations in terms of research, development and innovation.