

ICRA 2018: Forum on Robots and Art CfP - Call for Participation/Abstracts

Forum on Creative Compliance
May 24, 2018 - Brisbane, Australia
A Full-day ICRA Forum -
<http://roboticart.org/icra2018/>

All accepted abstracts to ICRA Robots and Art Forum will be invited to present a Lightning Talk during the full-day Robots and Art Forum. Authors will be encouraged to submit a full version of their papers to a Special Issue of *Frontiers In Robotics and AI**

Organizers

Dr. Damith Herath – University of Canberra, AUS
Dr. Elizabeth Jochum – Aalborg University, DK
Prof. Ken Goldberg – University of California Berkeley, USA

Aim of the Forum

Since the time of da Vinci, artists incorporate robots, machines, software and other emerging technologies into installations and performances to challenge conventional wisdom and to explore new means of creative expression. Artists such as Roxy Paine, Jean Tinguely, Billy Kluver, Rauschenberg, Andy Warhol, Stelarc, Paul McCarthy, Mark Pauline (SRL), Lynn Herschman, Natalie Jeremijenko, Michael Grey, Ken Rinaldo, Louis Philippe Demers, Bill Vorn, Simon Penny, Ken Goldberg, Chico MacMurtrie, Ruairi Glynn, Patricia Piccinini, Petra Gemeinboeck, Michael Wihart and Ingrid Bachmann use novel materials to radically expand the possibilities for expressive and interactive machines. Their artworks pioneer new techniques for designing expressive robots, while also challenging assumptions about the evolving relationship between humans and technology.

Invited Speakers (Confirmed)

Ingrid Bachmann – Concordia University, UK
Dr. Louis-Philippe Demers, Nanyang Technological University, Singapore
Dr. Ken Goldberg - University of California Berkeley, USA
Dr. Petra Gemeinboeck – UNSW, AUS
Jonas Jørgensen – IT University of Copenhagen, DK
Dr. Amy LaViers – University of Illinois, USA
Philip Millar – Creature Technology Company, AUS
Dr. Todd Murphey – Northwestern University, USA
Nathan Thompson - SymbioticA, University of Western Australia AUS
Dr. Patrick Tressett – Goldsmiths/ UK
Caroline Yang Zen – Royal College of Art, UK

Call for Abstracts

Abstracts are solicited in all areas of robots and art. In particular, we are looking for contributions that address the theme of creative approaches to compliance, including the use of soft materials, novel sensors and other artistic approaches to the development of the

design and control of robots. Submissions with descriptions of works in progress or preliminary results are welcome and encouraged. Abstracts will be invited to be presented during Lighting Talks during the full-day forum, and will be archived on www.roboticart.org

Topics include but are not limited to:

- Active and passive compliance
- Fluid electronics, flexible circuits, flexible bodies
- Biomimicry
- Morphological computation
- Adaptive agents
- Soft materials and intelligent textiles
- Wearable and tangible computing
- Prosthetics
- Network, distributed, collaborative robotics
- Perception of soft robots
- Printing and fabrication techniques
- Creative applications
- User-studies
- Novel materials

Abstracts must be written in English. Abstracts can be submitted electronically in PDF format to robotsandarts@gmail.com

Important Dates

Abstract submission: May 5, 2018

Author notification: May 10, 2018

Workshop date: May 24, 2018