

# PERFORMANCES, PROJECTS AND EXHIBITIONS

## Stelarc 2015

- 2015 TAKAMATSU MEDIA ART FESTIVAL  
Group Exhibition: "Ear on Arm" casts, video & photograph  
18 Dec- 27 Dec – Takamatsujyo, Takamatsu, Japan.
- 2015 DEMONSTRABLE  
Group Exhibition: "Propel" performance videos & objects  
3 Oct- 5 Dec – Lawrence Wilson Gallery, UWA, Perth, Australia.
- 2015 DEMONSTRABLE  
Installation: "Propel: Ear on Robot Arm"  
29 September – Autronics, Yangebup, WA, Australia.
- 2015 DEMONSTRABLE  
Performance: "Propel: Body on Robot Arm"  
29 September – Autronics, Yangebup, WA, Australia.
- 2015 ISMAR: DATA BODY AS ARTIFACT  
Group Exhibition: "Fractal Flesh, "Ping Body" & "Parasite" diagrams  
29 Sept- 4 October – Fukuoka City Museum, Fukuoka, Japan.
- 2015 NEW ROMANCE  
Performance: "Extended Arm"  
24 September – Museum of Modern and Contemporary Art, Seoul, Korea.
- 2015 NEW ROMANCE  
Group exhibition: "Extended Arm" installation  
22 Sept- 24 Jan 2016 – MMCA, Seoul, Korea.
- 2015 7<sup>th</sup> BEYOND HUMANISM CONFERENCE  
Performance: "Organs Without Bodies- Improvised/Involuntary/Automated"  
16 September – Music Auditorium, Ewha University, Seoul, Korea.
- 2015 2050: A BRIEF HISTORY OF THE FUTURE  
Group Exhibition: "Ear on Arm" casts, video & photograph  
11 Sept- 24 Jan 2016 – Royal Museum of Fine Arts of Belgium,  
Brussels, Belgium.
- 2015 COFFS HARBOUR REGIONAL ART GALLERY  
Exhibition: Suspension Performances photo engravings  
17 July- 17 August – Regional Art Gallery, Coffs Harbour, Australia.

- 2015 ART & SCIENCE: A SHARED SPACE  
Group Exhibition: "Third Hand" - video, diagram & photograph  
July 9- Jan 17, 2016 – MUDAM, Luxembourg.
- 2015 FLESH OF THE WORLD  
Group exhibition: "Stretched Skin" photo & video installation  
25 June- 10 Oct – University of Toronto Art Centre, Toronto, Canada.
- 2015 RECOMPOSED BODIES  
Group Exhibition: "Ear On Arm" video and photographic installation  
June 6- September 18 – Scriptorial Museum of Manuscripts of  
Mont-Saint-Michel, Avranches, France.
- 2015 AUSTRALIA COUNCIL AWARD EXHIBITION  
Installation: 3 X "Ear On Arm" casts & performance videos  
27 Feb- 22 May – Australia Council, Sydney, Australia

## **PRESENTATIONS & KEYNOTES**

### **Stelarc 2015**

- 2015 NATIONAL EXPERIMENTAL ARTS FORUM (NEAF2015)  
Keynote: "Alternate Anatomies: Zombie & Cyborg Bodies"  
5 October – Central Gallery, Perth, Australia.
- 2015 NEOLIFE SLSA 2015  
Presentation: "Embodiment, Aliveness & Agency in H-M Chimeras"  
1 October – Auditorium, University Club, UWA, Perth, Australia.
- 2015 NEW ROMANCE  
Presentation: "Alternate Anatomies: Zombie & Cyborg Bodies"  
25 Sept – Museum of Modern and Contemporary Art, Seoul, Korea.
- 2015 7<sup>th</sup> BEYOND HUMANISM CONFERENCE  
Keynote: "Uncanny Desires / Liminal Spaces"  
15 Sept – Convention Hall, Ewha Womens University, Seoul, Korea.
- 2015 ANTHROPOLOGY / SCHOOL OF SOCIAL & POLITICAL SCIENCES  
Presentation: "Zombies, Humanoids & Cyborgs"  
1 Sept – Redmond Barry, Melbourne University, Melbourne, Australia.

- 2015 ROBOTRONICA / QUEENSLAND UNIVERSITY OF TECHNOLOGY  
Keynote: "Hybrids, Humanoids, Nanobots & Drones"  
23 August – Kindler Theatre, QUT, Brisbane, Australia.
- 2015 DESIGN LECTURE SERIES  
Presentation: "Cyborgs & Chimeras: Alternate Bodies & Lively Machines"  
13 August – 201.101 Curtin University, Bentley, Australia.
- 2015 9<sup>th</sup> GLOBAL CONFERENCE ON BUDDHISM  
Presentation: "Zombies, Cyborgs & Chimeras"  
8, 9 August – Convention Centre, Perth, Australia.
- 2015 PERTH MODERN SCHOOL  
Presentation: "Insect, Animal & Zombie Robots: Alternate Bodies & Machines"  
7 August – Tim Winton Lecture Theatre, Curtin University, Bentley, Australia.
- 2015 FULL STEAM AHEAD  
Keynote: "Zombies, Cyborgs, Robots & Nanobots"  
29 July – Cecil Andrews Senior High School, Seville Grove, Australia.
- 2015 MECHANISMS & MACHINES  
Presentation: "Prosthetics, Robotics & Artificial Existence"  
29 July – Engineering, University of Western Australia, Perth, Australia.
- 2015 MASTERS OF ARCHITECTURE DESIGN STUDIOS  
Presentation: "Surfaces, Structures, Spaces & Circulatory Systems"  
29 July – Curtin University, Bentley, Australia.
- 2015 COFFS HARBOUR REGIONAL ART GALLERY  
Presentation: "Zombies, Cyborgs & Chimeras: Alternate Architectures"  
17 July – Regional Art Gallery, Coffs Harbour, Australia.
- 2015 SOUTHERN CROSS UNIVERSITY  
Masterclass: "Affect & the Body: From Butoh to Performance Art"  
29 June – School of Art, SCU, Lismore, Australia
- 2015 ALUMNI LECTURE SERIES  
Presentation: "Zombies, Cyborgs & Chimeras"  
3 June – Bankwest Theatre, Curtin University, Bentley, Australia.
- 2015 CLICK FESTIVAL: ART / TECHNOLOGY / HUMAN EXISTENCE  
Keynote: "Zombies, Cyborgs & Chimeras"  
15 May – Store Scene, Kulturvaerttet, Helsingor, Denmark.
- 2015 DESIGN LECTURE SERIES  
Presentation: "Zombies, Cyborgs & Chimeras"  
13 March – Curtin University, Bentley, Australia.

2015 OZAPP AWARDS  
Presentation: "Prosthetics, Robotics and Alternate Anatomies"  
18 February – Perth Town Hall, Perth, Australia.

2015 BIONICS INSTITUTE  
Presentation: "Alternate Architectures: Affect, Agency & the Uncanny"  
23 January – Bionics Institute, Melbourne, Australia.

## **AWARDS, PATENT & MEDIA 2015**

### **STELARC**

#### **Award-**

19 March – The inaugural Australia Council Award for Emerging and Experimental Arts

#### **Award-**

Curtin Innovation Award for Assisted Finger Orthosis - with Dr. Lei Cui, Prof. Gary Allison and Engineering Students, Anthony Phan and Otto Seyfarth.  
<http://news.curtin.edu.au/media-releases/assisted-finger-orthosis-wins-innovation-award-hands-down/>

#### **Patent-**

For Hand Orthosis - with Dr. Lei Cui and Anthony Phan (for animating paralysed hand, remote physiotherapy and as a robot hand controller).

#### **Selected TV Programs-**

13 April – Featured in Today / Tonight TV program

23 June – ABC TV interview

26 June – ABC TV interview

12 August – ABC & Channel 9 TV interviews

17 November – SBS Insight program on Cyborgs

#### **Published Interview / Book Publication-**

1. The Journal of Somaesthetics No 1, Winter 2015 pp 20-41  
Stelarc: On the Body as an Artistic Material - Interview with Stahl Stensile

2. Co-editing and contributing chapter for “Robotics and Art: An Unlikely Symbiosis”, will be published by Springer early 2016

### **Small selection of media articles in Australia, UK, USA, Germany & Korea-**

14 April – included in Wired.co.uk article titled “Meet the cutting-edge artists channeling Da Vinci in the 21<sup>st</sup> century”.

1 June – Included in the article titled “75 people who make WA great: Entrepreneurs, health and science.

Die Welt (nation-wide newspaper)

<http://www.welt.de/vermischtes/article145147200/Der-Plan-ist-dass-das-Ohr-immer-online-ist.html>

Focus (magazine, one of the big three besides Spiegel and Stern)

[http://www.focus.de/digital/internet/mit-dem-dritten-chatten-sie-besser-australier-implantiert-sich-ein-drittes-ohr\\_id\\_4888159.html](http://www.focus.de/digital/internet/mit-dem-dritten-chatten-sie-besser-australier-implantiert-sich-ein-drittes-ohr_id_4888159.html)

Hannoversche Allgemeine Zeitung about Cyborgs in general (starts with cochlear implants):

Title: Technology in the body - will we become cyborgs?

<http://www.haz.de/Sonntag/Top-Thema/Technik-im-Koerper-Entwickeln-wir-uns-zu-Cyborgs>

12 August – Article in Die Welt titled “Der Plan ist, dass das Ohr immer online ist”

13 August – Article in the Huffington Post titled “Australian artist has an ear growing out of his arm”.

13 August – Article in online CNN titled “The man with an ear on his arm”

13 August – Article in online Financial Express titled “Australian artist Stelarc to connect ear grown on arm to internet”.

14 August – Article in Sydney Morning Herald “Performance Artist Stelarc grows an ear on his arm and Connects it to the internet.

14 August – Featured in The Guardian, UK “Body Hackers: The People Who Turn Themselves Into Cyborgs”.

27 August – Featured in the Washington Post article “Meet the cyborgs who are redefining what it means to be human”.

[http://news.chosun.com/site/data/html\\_dir/2015/09/14/2015091400116.html](http://news.chosun.com/site/data/html_dir/2015/09/14/2015091400116.html) (**Chosun.com** : **telephone interview**)

<http://www.hankyung.com/news/app/newsview.php?aid=2015091413051> (**The Korean Economic Daily** )

<http://www.yonhapnews.co.kr/bulletin/2015/09/16/0200000000AKR2015091621>

[6000005.HTML?from=search](#)

<http://www.yonhapnews.co.kr/bulletin/2015/09/15/0200000000AKR20150915141600005.HTML?from=search>

<http://media.daum.net/culture/others/newsview?newsid=20150916210037309>

2 October – Article and video on BBC online news “Perth professor gyrates on huge robotic arm”.

CONFIRMED 2016 ACTIVITIES-

### 2016 INTERNATIONAL EXHIBITIONS

1. Museum of Contemporary Art, Sydney “New Romance” exhibition of contemporary Australian and Korean media art work 30 June – 4 September.
2. Gus Fischer Gallery, Auckland “Alter” group exhibition media art, 22 April – 28 May.

### KEYNOTE 2016

FUSE - Designing Interactive Systems, 4-8 June, The Cube, QUT, Brisbane

## Nina Sellars ACTIVITIES FOR 2015

### 2015 GROUP EXHIBITIONS

- **Daejeon Museum of Art, Daejeon, Korea** – *Project Daejeon 2014: The Brain*, 22 Nov 2014 – 08 Feb 2015
- **Stradins Museum, Riga, Latvia** – *Fabrica Vitae*, 22 Mar – 31 May
- **Cultivamos Cultura, Portugal** – *Just 40*, opening 31 May
- **Lawrence Wilson Art Gallery, University of Western Australia, Perth** – *DeMonstrable*, 3 Oct – 5 Dec
- **Centre de Cultura Contemporania de Barcelona (CCCB), Barcelona, Spain** – *Human+: The Future of Our Species*, 7 Oct – 10 April 2016
- **Free Range Gallery, Perth** – *Staff Room*, Oct 31 – Nov 2 (SoDA, Curtin University, staff exhibition)

### 2015 CONFERENCE PAPERS, ARTIST TALKS & COMMUNITY ENGAGEMENT

- **SymbioticA, University of Western Australia, Perth** – *Artist's talk* – '*Friending' Anatomy: The Naturalization of Anatomical Images in Contemporary Culture* – Friday 6 March (3:00) <http://www.symbiotica.uwa.edu.au/activities/seminars/2015-seminars>
- **Wellcome Trust, London, UK** – *Incredible Encounters with Light* – invited speaker – *Illuminated Bodies* – Sunday 3 May (2:00) <http://wellcomecollection.org/events/incredible-encounters-light>
- **Melville Senior High School, Perth** – WiTWA's (Women in Technology, Western Australia) *Techtrails presentation*. The Techtrails program is designed to encourage youth in regional WA to consider careers in technology – 16 September
- **University of Western Australia, Perth** – *NeoLife*, Society for Literature, Science and the Arts, international conference, 1-3 October – conference speaker – *Re-imagining Fat* <http://www.symbiotica.uwa.edu.au/activities/neolife-slsa-2015>
- **Lawrence Wilson Art Gallery, University of Western Australia, Perth** – *Artist's Floor talk for 'DeMonstrable' exhibition* – 28 October
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#### 2015 JOURNAL PAPERS & BOOK CHAPTERS

1) Submitted an article for publication to the journal, **Leonardo: The International Society for the Arts, Sciences and Technology** (awaiting confirmation of acceptance for publication)

2) Presented paper 'Re-imagining Fat' for the international Society for Science, Literature and the Arts conference, Neolife. The paper will be included in the **forthcoming book publication, Neolife**, co-editors: Dr Ionat Zurr (SymbioticA, UWA); Dr Tess Williams (UWA); Nina Sellars (Curtin University)

#### 2015 AWARDS/ACKNOWLEDGEMENTS

PhD abstract, 'The Optics of Anatomy and Light: A studio-based investigation of the construction of anatomical images', included in **Leonardo: The International Society for the Arts, Sciences and Technology's selection of top-ranked thesis abstracts of 2014**; selection by peer review panel

<http://www.leonardo.info/isast/LABS2014.html>

**A Wikipage for 'Nina Sellars'** was created and entered on Wikipedia via the British Columbia University branch of the **Art+Feminism Wikimedia Editathon**. Wikipedia kept the entry and declared it valid. [https://en.wikipedia.org/wiki/Nina\\_Sellars](https://en.wikipedia.org/wiki/Nina_Sellars)

#### MENTORSHIP

Successfully applied to the 2015 Cultural Studies Association of Australia Mentorship Scheme. My mentor is **Associate Professor Elizabeth Stephens, Deputy Head of Research, ARC Postdoctoral Research Fellow, Southern Cross University, School of Arts and Sciences**. Assoc. Prof. Stephens is advising me on publication processes and on developing a DECRA application.

#### 2015 PROJECTS

1) **Co-editing a book publication**, with Dr Ionat Zurr (UWA) and Dr Tess Williams (UWA). The book comprises selected papers from the Society of Science, Literature and the Arts international conference, Neolife. The conference was hosted by SymbioticA, Oct 2015. The book will include my Neolife paper, 'Re-imaging Fat'.

2) **Preparing DECRA** publication for submission, 2016

3) **Working on creative work 'Anatomical (Fat) Venus'**, which utilizes MRI technology. Working team, Dr Anson Chau (Curtin University), Professor Stuart Bunt (UWA), Dr Barry Doyle (UWA), Dr Robert Hart (Royal Perth Hospital), Dr Nina Sellars (Curtin University)

#### RESIDENCY APPLICATION

**Successful application for 2016 SymbioticA 3-month residency** to conduct research for my tissue culture art project titled 'Fat Culture'.

#### 2015 PUBLICATION PEER REVIEWER

1) **Elsevier, journal, 'Trends in Biotechnology'** — an applied biosciences journal that focuses on integrated, multidisciplinary research.

<http://www.cell.com/trends/biotechnology/newarticles>

2) **'Transformations' online journal** — online peer-reviewed journal of cultural and critical theory <http://www.transformationsjournal.org>

#### 2015 COLLEGIAL PROJECTS & PRESENTATIONS FOR AAL

1) Working with Dr. Anson Chau, Senior Lecturer, Department of Medical Imaging, Curtin University; facilitating the collection of human adipose tissue samples (fresh frozen) for her research on breast fat tissue.

2) Guest lecture presentation for SoDA design class: Andy Goodlich

3) Facebook: setting up Facebook page for the Alternate Anatomies Lab and updating entries

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2. Gus Fischer Gallery, Auckland "Alter" group exhibition media art, 22 April – 28 May.



# Christian Kroos - AAL Research Fellow Activities 2015

2015

## Peer reviewed journal articles:

- Bundgaard-Nielsen, R.L., Kroos, C., Baker, B.J., Harvey, M., & Best, C.T. (**submitted**). Consonantal timing and release burst acoustics distinguish multiple coronal stop place distinctions in Wubuy (Australia). *Journal of the Acoustical Society of America*.
- Bundgaard-Nielsen, R.L., Baker, B.J., Kroos, C., Harvey, M., & Best, C.T. (**2015**). Discrimination of multiple coronal stop consonants in Wubuy (Australia): A Natural Referent Consonant account. *PLOS ONE*.
- Cavedon, L., Kroos, C., Herath, D., Burnham, D., Bishop, L., Leung, Y., & Stevens, C.J. (**2015**). "C'Mon dude!": Users adapt their behaviour to a robotic agent with an attention model. *International Journal of Human-Computer Studies*, 80, 14–23.

## Full paper peer reviewed conference proceedings:

- Best, C.T., Kroos, C., Mulak, K. E., Halovic, S., Fort, M., & Kitamura, C. (**2015**). Message vs. messenger effects on cross-modal matching for spoken phrases. In *Proceedings of the 1st Joint Conference on Facial Analysis, Animation and Auditory-Visual Speech Processing*. Vienna, Austria.

## Grant and scholarship applications:

- **ARC Discovery** grant (submitted)
  - Title: 'A robotic model of the human speech apparatus'
  - Investigators:
    - Dr Christian Kroos, Chief Investigator Curtin University of Technology
    - Prof Stelarc, Chief Investigator, Curtin University of Technology
    - Dr Eleanor Sandry, Chief Investigator, Curtin University of Technology
    - Prof Gregory Murray, Chief Investigator, The University of Sydney
    - Prof Eric Vatikiotis-Bateson, Partner Investigator, The University of British Columbia, Canada
    - Prof Philip Hoole, Partner Investigator, Institute of Phonetics
  - Amount requested from ARC: \$532,131

- Curtin Research Fellowship
  - Title: 'A robotic model of the human speech apparatus'
  - Outcome: Unsuccessful

#### Other external:

- Rethink Robotics video challenge
  - Title of project: 'Sprouting sculptures – solid motion'
  - Together with industry partner Robological PTY LTD
  - Selected for semi-final
- Invited presentation for seminar series at the School of Languages and Linguistics at the University of Melbourne
  - Title: 'Now you see it, now you don't - how much articulatory information is there in speech face motion?'
  - Date: 26/06/2015
- Invited presentation at workshop 'Intelligent robotics' at SMaRT Centre of UNSW, Sydney
  - Title: 'Human-robot integration in emerging work environments'
  - Date: 23/09/2015

#### Other internal:

- Co-organisation of AAL talk series T@AAL
- AAL website maintenance

#### 2016

##### Book (edited):

- Herath, D.C., Kroos, C., & Stelarc (Eds.) (**to appear early 2016**). Robotics and Art: An Unlikely Symbiosis. Springer.

##### Book (authored)

- Kroos, C. & Herath, D.C. (**to appear 2017**). Research Methods in Human Robot Interaction. Springer.

##### Peer reviewed book chapters

- Kroos, C. & Herath, D.C. (**to appear 2016**). Being one, being many. In D.C. Herath, C. Kroos, & Stelarc (Eds.), Robotics and Art: An Unlikely Symbiosis. Springer.
- Herath, D.C. & Kroos, C. (**to appear 2016**). The art in the machine. In D.C. Herath, C. Kroos, & Stelarc (Eds.), Robotics and Art: An Unlikely Symbiosis. Springer.

**Peer reviewed journal articles in preparation:**

- With collaborators at the School of Languages and Linguistics, University of Melbourne: One paper on Kriol perception and one paper on Wubuy retroflex consonant articulation
- With collaborators at the Department of Psychology, Macquarie University, Sydney: Paper on emotional vs non-emotional face motion perception.

**Planned grant and scholarship applications:**

- Re-submission of revised ARC Discovery grant if unsuccessful in the current round.

**Workshop and conference panel organisation:**

- Full day workshop at International Conference on Robotics and Automation (ICRA) 2016 (May 16-21, Stockholm, Sweden)
  - Title: 'Art and Robotics: Embodiment in Robot Art and Design'
  - Organisers:
    - Ken Goldberg, University of California Berkeley (US)
    - Christian Kroos, Curtin University (AU)
    - Elizabeth Jochum, Aalborg University (DK)
- Panel at the 2016 Annual Conference of the International Communication Association (ICA) in Fukuoka, Japan
  - Title: 'The power of artificial communication: examining the theoretical implications of communicative machine "Others"'
  - Panel proposal:
    - Eleanor Sandry, Curtin University, Western Australia
  - Panel participants:
    - David Gunkel, Northern Illinois University, USA
    - Min-Sun Kim, University of Hawaii at Manoa, USA
    - Andrea L. Guzman, Northern Illinois University, USA
    - Christian Kroos, Curtin University, Western Australia

Eleanor Sandry, Curtin University, Western Australia