

Sofia Catarina Mota

curriculum vitae

EDUCATION

New University of Lisbon, Lisbon, Portugal

College of Social Sciences and Humanities

Ph.D. in Communication Sciences (New Technologies and Contemporary Culture)

2015

New York University, New York City, USA

Tisch School of the Arts

MPS in Interactive Telecommunications

2000

New University of Lisbon, Lisbon, Portugal

College of Social Sciences and Humanities

BA in Communication Sciences (major in Film)

1996

RESEARCH INTERESTS

Open Source Hardware, Designing for Hackability, Open Source Housing, Hacker/Marker Culture, Smart Materials, Digital Fabrication.

PROJECTS

Open Building Institute

Founder & Executive Director

Educational organization focused on open source and collaborative building strategies.

January 2016 - Present

OpenMaterials

Co-Founder & Principal Researcher

Research group dedicated to open investigation and experimentation with DIY production methods and uses of materials.

<http://openmaterials.org>

May 2009 - Present

Everywhere Tech

Founder

Collective project dedicated to open source technology transfer.

<http://everywheretech.org>

January 2013 - Present

RESEARCH

New York University

Tisch School of the Arts

Interactive Telecommunications Program

Visiting Scholar

Theoretical and field research on social and cultural aspects of open source hardware and digital fabrication under the guidance of Associate Arts Professor Tom Igoe.

August 2010 - Present

Open Source Hardware Association

Research Chair

Qualitative and quantitative research on the origins and evolution of open source hardware.

October 2012 - Present

New York University

Tisch School of the Arts

Interactive Telecommunications Program

Research Fellow

Yearlong research fellowship, sponsored by Interval Research Corporation and NYU's Interactive Telecommunications Program. Specialized in interactive installations with narrative structures.

September 2000 – September 2001

TEACHING

Interactive Telecommunications Program / NYU - USA

Tech Crafts – Adjunct Faculty

Graduate class focused on the exploration of smart materials and unconventional electronics.

September 2012 – December 2012

Intro to Smart Materials Workshops

Instructor

Hands-on workshops taught at:

ITP-NYU (June 2011, September 2011, June 2012)

School of the Arts Institute of Chicago (March 2012)

Indiana University (November 2011)

NYC Resistor (recurring, since 2010)

École Supérieure d'Art d'Aix-en-Provence – France

Internship Advisor

Student: Joel Belouet (4th year, undergraduate degree in art).

Internship took place at altLab, Portugal.

June 2010

École Supérieure d'Art d'Aix-en-Provence - France

Smart Materials Intensive Workshop - Lecturer

Intensive one week smart materials seminar and workshop.

January 2010 & March 2011

AltLab - Portugal

Soft Circuits Open Lab - Instructor

Monthly open lab sessions dedicated to experimentation with textile smart materials.

January 2010 – August 2010

Democracy for East Timor Program

Digital Video Course – Instructor

March 1997 – June 1997

Santo André High School - Portugal

Journalism, Audiovisual Courses - Full-time Lecturer

September 1996 – August 1997

CONFERENCES

Open Hardware Summit 2012 - Eyebeam (NYC, USA)

Co-chair

October 2011 – Present

UTAustin|Portugal Summer Institute 2008 - New University of Lisbon

(Lisbon, Portugal)

Executive Producer

February 2008 – July 2008

SCHOLARSHIPS & FELLOWSHIPS

TED Fellowship

June 2012 - Present

Doctoral Scholarship from the Portuguese Foundation for Science and Technology

2008 - 2012

Fine Arts Scholarship from the Calouste Gulbenkian Foundation to attend the Interactive Telecommunications Graduate Program at New York University

1998-2000

European Union Media II Program Grant to write, direct and edit the short video "Afterwards" (in collaboration with Sara Moreira and Susana Nascimento)

1997

European Union Media II Program Grant to attend the International Film Schools Workshop in Munich, Germany

1994 and 1996

TALKS & PRESENTATIONS

Linux.Conf.Au (Geelong, Australia)

Talk: Life is Better with Open Source. February 2016.

UT Austin "Open Institute 2015" (Austin, USA)

Talk: The Age of Openness. August 2015.

EclipseCon (San Francisco, USA)

Talk: From Bits to Atoms and Back. March 2014.

Interaction South America (Recife, Brazil)

Talk: Designing for Hackability. November 2013.

Indiana University "Zoom Symposium" (Bloomington, USA)

Lecture: Tech Crafts. October 2013.

Open Hardware Summit 2013 (Cambridge, USA)

Panel: Implications of Open Source Business. September 2013.

Breaker – The Future of Stuff (NYC – USA)

Talk: Hacking Manufacturing. June 2013.

GE's Leading & Learning (Ossining, USA)

Panel: Manufacturing's Next Chapter. May 2013.

Seoul Digital Forum 2013 (Seoul, Korea)

Talk w/ Marcin Jakuboswki: Open Source and Beyond – Collaborative Development Towards and Economy of Meaning. May 2013.

Free Culture Conference 2013 (NYC, USA)

Panel: Makers, Hackers and the Worlds They Build. April 2013.

TEDxO'Porto 2013 (Porto, Portugal)

Talk: The Open Source Industrialists. April 2013.

Frog Design (NYC, USA)

Talk: Smart Materials for DIY Projects. November 2012.

LinuxCon Europe 2013 (Barcelona, Spain)

Talk: Open Source Hardware. November 2012.

Ouishare @ FabLab Barcelona (Barcelona, Spain)

Talk: Open Materials. November 2012.

Orange Institute 2012 (NYC, USA)

Talk w/ Dustyn Roberts: The State of Open Source Hardware. October 2012.

TEDxStockholm 2012 (Stockholm, Sweden)

Talk: What We Can Learn From Hackerspaces. October 2012.

GE Garages @ Story (NYC, USA)

Talk: Smart Materials for DIY Projects. October 2012.

World Maker Faire (NYC, USA)

Talk: Smart Materials for DIY Projects

Talk w/ Dustyn Roberts: The State of Open Source Hardware. September 2012.

Open Knowledge Festival

Panel: Gender and Open Hardware

HOPE Number 9 (NYC, USA)

Talk: The State of Open Source Hardware (*w/ Dustyn Roberts*). July 2012

TED Global 2012 (Edinburgh, Scotland)

Talk: Open Materials. June 2012

TED Global 2012 (Edinburgh, Scotland)

Talk: Open Source Hardware. June 2012

ITP-NYU Summer Camp 2012 (NYC, USA)

Panel: Smart Materials for DIY Projects. June 2012

MAKE Hardware Innovation Workshop (Palo Alto, USA)

Talk: Open Materials. May 2012

Maker Faire Bay Area 2012 (Bay Area, USA)

Talk: Open Materials. May 2012

OH / DC (Washington, USA)

Panel: Open Source Hardware. April 2012

School of the Arts Institute of Chicago (Chicago, USA)

Talk: The Age of Openness. March 2012

Indiana University (Bloomington, USA)

Talk: Open Materials. November 2011

ACM Creativity & Cognition 2011 (Atlanta, USA)

Talk: The Rise of Digital Fabrication. November 2011

ITP-NYU (NYC, USA)

Talk: Smart Materials for DIY Projects. September 2011

Open Hardware Summit 2011 (NYC, USA)

Talk: Smart Materials for DIY Projects. September 2011

ITP-NYU Summer Camp 2011 (NYC, USA)

Panel: Open Hardware. June 2011

Ciência 2010 (Lisbon, Portugal)

Poster Presentation: Hackerspaces. July 2010

Sapo Codebits (Lisbon, Portugal)

Talk: Open Source 3D Printing. November 2009

4th Inclusiva-Net Meeting, Medialab Prado (Madrid, Spain)

Talk: OpenMaterials: P2P theory in practice (*w/ Kirsty Boyle*). July 2009

Futurartes (Caldas da Rainha, Portugal)

Talk: Collaborative Creativity. June 2009

PUBLICATIONS

Mota, C. (2015). **History of the Open Hardware Movement**. In *Building Open Source Hardware*. A. Gibb (Ed.). Addison-Wesley, NJ, USA.

Mota, C. (2013). **Open Sourcing Materials**. In *The Open Book*. The Finish Institute in London, London, UK.

Mota, C. (2011). **The Rise of Personal Fabrication**. In *Proceedings of the 8th ACM conference on Creativity and cognition (C&C '11)*. ACM, New York, NY, USA, 279-288. DOI=10.1145/2069618.2069665

Igoe, T. and Mota, C. (2011). **A Strategist's Guide to Digital Fabrication**. In *Strategy + Business*. Autumn 2011, 64.

Martins, A. and Mota, C. (2011). **Metropolitan citizenship and critiques of everyday life: between art and sociology**. In *Sociology, Aesthetics & The City*. Edizione Plus, Pisa, Italy.

Boyle, K. and Mota, C. (2009). **OpenMaterials: P2P theory in practice.** 4^o
Inclusiva-net Meeting: P2P Networks and Processes eBook, ISSN 2171-8091, pp 150
- 153

PROFESSIONAL AFFILIATIONS

Open Building Institute

Founder and Executive Director

January 2016 - Present

OpenMaterials

Co-Founder & Principal Researcher

May 2009 - Present

GE Maker Professional Coalition

Board of Directors

August 2013 – Present

Global Insights Network

Member

October 2012 - Present

Open Source Hardware Association

Board of Directors

February 2012 – October 2012

AZ Labs Network

Board of Directors

September 2009 – Present

AltLab – AZ Labs Network

Chair

March 2009 – August 2011

FOREIGN LANGUAGES

English (fluent) - First Certificate in English and American Language Institute Certificate