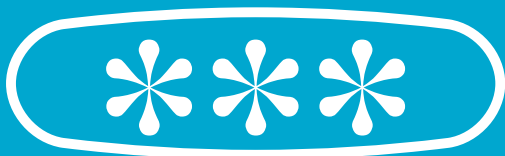


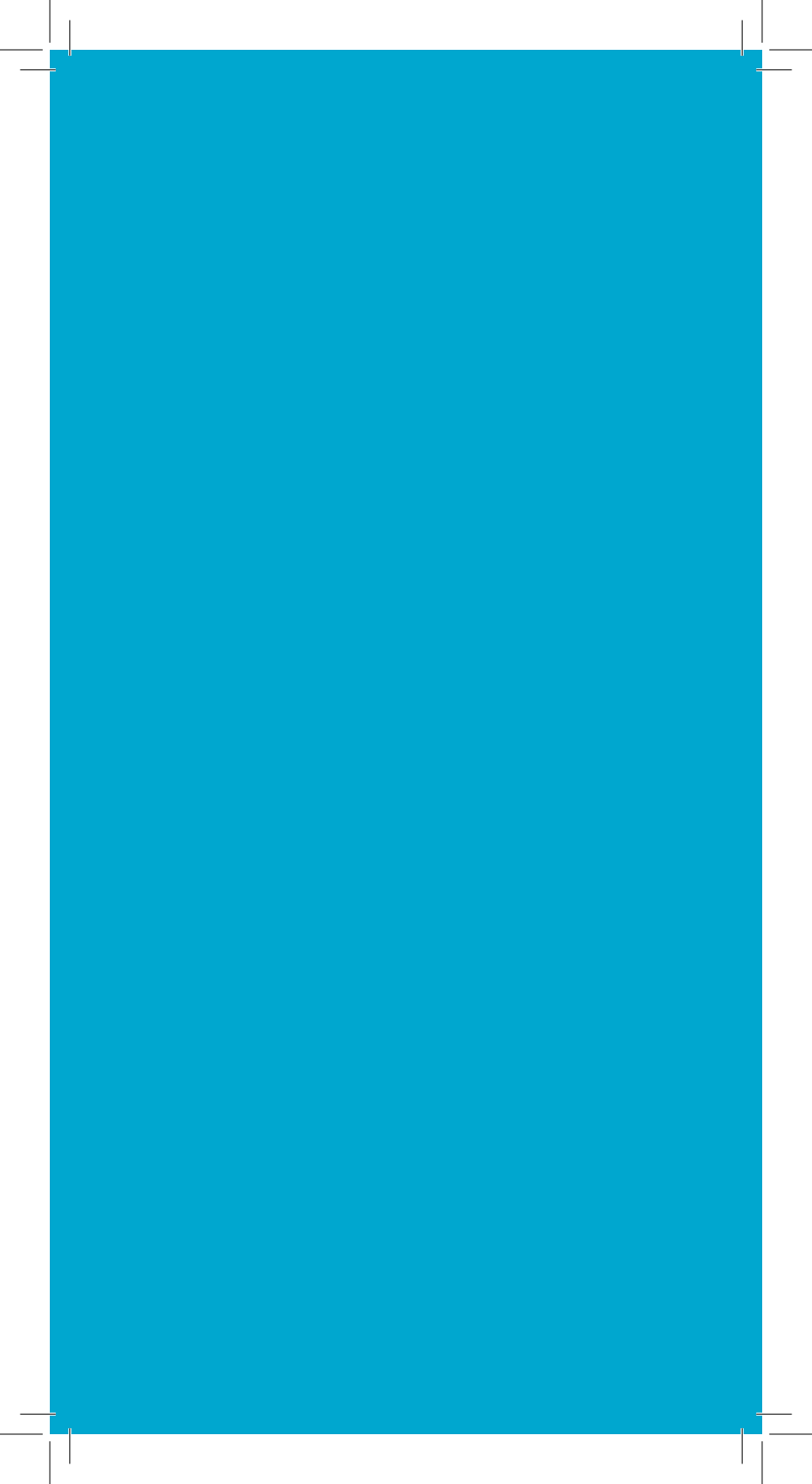
FROM 13TH TO 15TH NOVEMBER 2015



winter LAB

Meeting on communities
and critical use of technology

laboral
Centro de Arte y Creación Industrial



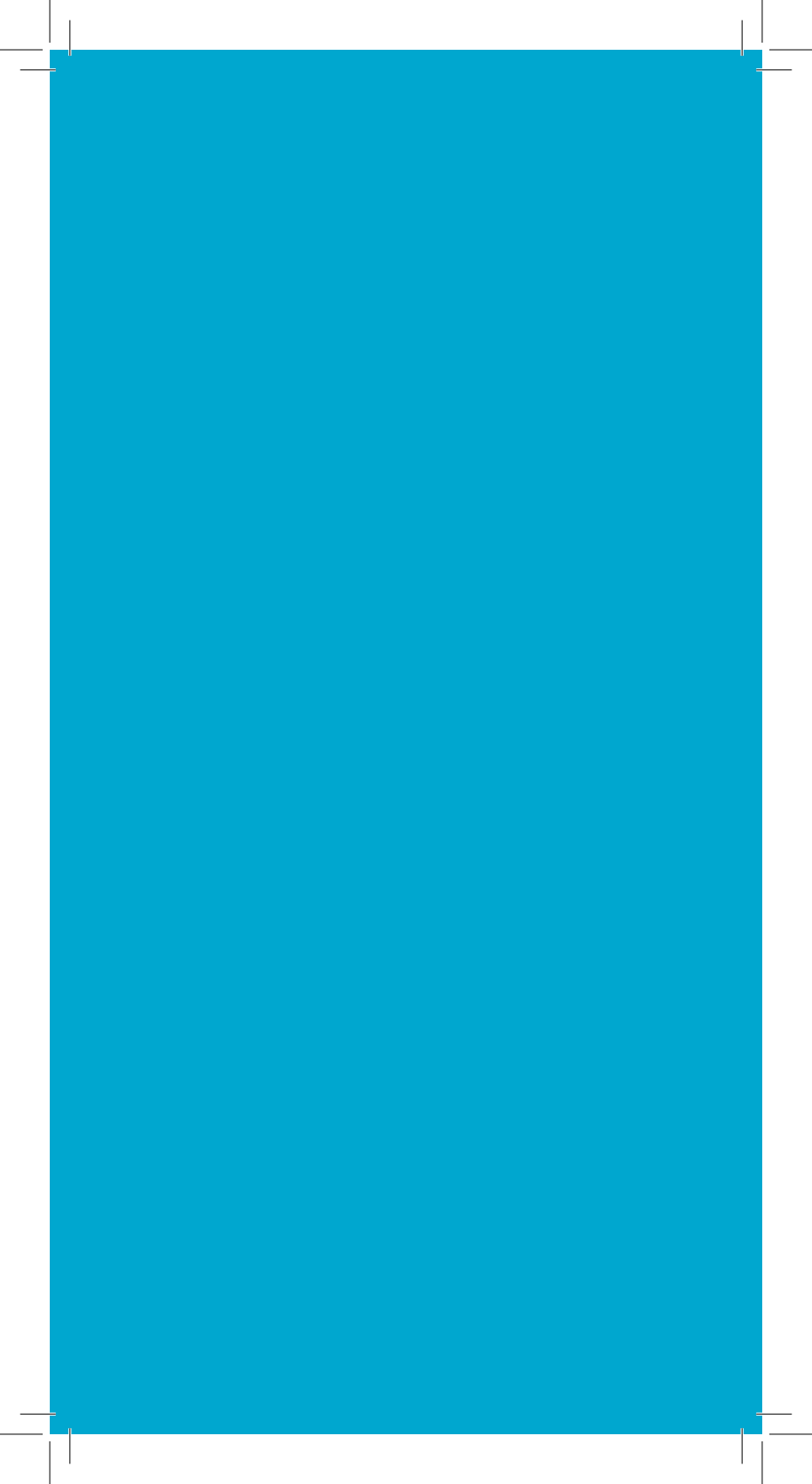


winter LAB

Meeting on communities
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Centro de Arte y Creación Industrial



LABoral is an open platform for research, production, dissemination and interpretation of cultural forms resulting from the creative use of new technologies.

The programme of the Art Centre is aimed at attracting different audiences to the exhibitions, education and dissemination programmes. The result is a networking platform that brings together the artistic community, cultural industries, educational institutions and, since the inauguration of fabLAB Asturias in 2011, the DIY and maker culture communities.

winterLAB is aimed at exchanging community work experiences that foster creative use of technology and bring new media for creation and production closer to the public.

The programme of presentations, round tables and workshops is aimed at analyzing from a critical standpoint, the work carried out so far and what should be the next steps to take for disseminating these new ways and manners of doing and sharing.

The aim of the hands-on work shops is to disseminate maker and DIY culture among the general public and, at the same time, provide professionals with open source tools and techniques suitable for creative projects.

Dates: Friday 13th, Saturday 14th and Sunday 15th November 2015, on the occasion of the opening of *Materia prima*, exhibition part of the European Digital Art and Science Network (EDASN)

Time: Friday, from 6.30 to 8 p.m., Saturday and Sunday, from 9.30 a.m. to 7 p.m.

Venue: LABoral Centro de Arte y Creación Industrial, Gijón

Registration: Activities are open and free-of-charge, registration at www.laboralcentrodearte.org is required

PROGRAMME

FRIDAY 13TH NOVEMBER

6.30 - 8 p.m.

ROUND TABLE

Social use of technology. Participants: Ista Boszhard, WAAG Society, Amsterdam (NL), Carlos Cano & David Carretero, Xtreme (SP) and Karim Asry, Espacio Open, Bilbao (ES). Moderated by: César García Sáez, Makespace Madrid (SP)

SATURDAY 14TH NOVEMBER

9.30 a.m. - 12.30 p.m.

WORKSHOPS

Creative programming with Processing. Lali Barrière, Universitat Politècnica de Catalunya, Barcelona (SP)

Sustainable Development: Self-managed makerspaces. Sara Alvarellos and César García Sáez, Makespace Madrid (SP)

Fab Textiles. Anastasia Pistofidou, Fab Lab Barcelona (SP)

A monster came out of the machine..., Nuria Robles Miguélez, Fab Lab León (SP)

12.30 - 2 p.m

PRESENTATIONS

Patrick Gyger, Director, Le Lieu Unique, Nantes (FR); Julien Bellanger & Charlotte Rautureau, PiNG (FR); Marcos García, Director, Medialab Prado, Madrid (SP) and Radamés Ajna, FACTLab, Liverpool (RU). Moderated by: Alfredo Aracil, LABoral Centro de Arte and Creación Industrial, Gijón (SP)

2 -3 p.m.

LUNCH

3 - 6 p.m.

WORKSHOPS

Design and manufacture of Open Source parametric furniture. Juan José Olmo Bordallo, Ehcofab, Laboratorio de fabricación digital, Sevilla (SP)

Creative technologies on paper, Make your own fanzine! Espacio Open, Bilbao (SP)

6 - 7 p.m.

ROUND TABLES

Open labs and institutions. Participants: Sara Alvarellos, Makespace Madrid (ES); Charlotte Rautereau, Festival D, PiNG, Nantes (FR), Diana Franco Eguren, Hirikilabs-Tabakalera, San Sebastián (SP) and Fran Flórez, Centro Maker Cristasa, Gijón (SP). *Moderated by:* Luis Díaz, fabLAB Asturias, LABoral Centro de Arte y Creación Industrial, Gijón (SP)

Cultural strategies and institutions. Participants: Marcos García, Medialab Prado, Madrid (SP) and Lucía García, Managing Director, LABoral Centro de arte y Creación Industrial, Gijón (SP). *Moderated by:* Patricia Villanueva, LABoral Centro de Arte and Creación Industrial, Gijón (SP)

8 p.m.

ACTIVITY

Astronomy in open source, with Fernando Comerón, Representative of the European Southern Observatory (ESO) in Chile and Sociedad Astronómica Omega, Gijón. Moderated by: David Pello, fabLAB Asturias, LABoral Centro de Arte y Creación Industrial, Gijón (SP)

SUNDAY 15TH NOVEMBER

9.30 - 12.30 p.m.

WORKSHOPS

Creative programming with Processing. Lali Barrière, Universitat Politècnica de Catalunya, Barcelona (SP)

Sustainable Development: Self-managed makerspaces. Sara Alvarellos and César García Sáez, Makespace Madrid (SP)

Fab Textiles. Anastasia Pistofidou, Fab Lab Barcelona (SP)

A monster came out of the machine....,
Nuria Robles Miguélez, Fab Lab León (SP)

12.30 - 2 p.m.

PRESENTATIONS

Horst Hörtnner, Director, Ars Electronica Futurelab, Linz (AU); Anastasia Pistofidou, Responsible for External Projects and Digital Fabrication, Fab Lab Barcelona/IAAC Barcelona (SP), Sara Alvarellós, Makespace Madrid (SP) and Harri Toivonen, Aalto Design Factory (FI). Moderated by: Lucía Arias, LABoral Centro de Arte y Creación Industrial, Gijón (SP)

2 - 3 p.m.

LUNCH

3 - 6 p.m.

WORKSHOPS

Screen printing with computational design.
Susanna Tesconi, Barcelona (SP)

Design and manufacture of Open Source parametric furniture. Juan José Olmo Bordallo, Ehcofab, Laboratorio de fabricación digital, Sevilla (SP)

Creative technologies on paper. Make your own fanzine! Espacio Open, Bilbao (ES)

6 - 7 p.m.

ROUND TABLES

Technology and new production models.
Participants: Cesáreo González Álvarez, Fab Lab León (SP); César García Sáez, Makespace Madrid (SP) and David Pello, fabLAB Asturias, LABoral Centro de Arte y Creación Industrial, Gijón (SP). Moderated by: José Pérez de Lama, Director of FabLab Sevilla, Escuela Técnica Superior de Arquitectura, Universidad de Sevilla (SP).



INFORMATION ON THE WORKSHOPS

Creative programming with *Processing*

SATURDAY 14TH AND SUNDAY 15TH NOVEMBER

An overview of the basics of creative graphical programming: Image, animation, interaction. Participants will create a simple animation to acquire the knowledge needed to become a creative programmer with Processing.

For those participants who want to continue using the tool, the workshop offers a selection of the available resources depending on levels and topics.

Addressed to: All those interested in creative programming in the visual context. No previous knowledge needed. It is advisable to visit the website processing.org, to get an idea of what can be done with Processing

Time: 9.30 - 12.30 p.m.

Venue: Aula 1, LABoral

Participants: 12

Registration: Free-of-charge, registration required

Conducted by: **Lali Barrière**, teacher and researcher at Universitat Politècnica de Catalunya, Barcelona. She combines her artistic activity with work teaching math and with music, creative programming and research

<http://lalibARRIERE.net/>

<http://www-ma4.upc.edu/~lali/>

Sustainable development: Self-run makerspaces

SATURDAY 14TH AND SUNDAY 15TH NOVEMBER

Analysis and exchange of best practices for creating communities related with technology and the management of community creation and production spaces.

The first session consists of an exchange of work experiences, solutions and experiences in relation with the setting up of communities, spaces transfer of knowledge and dissemination of new forms of creation and production.

The second session includes a hands-on workshop on digital and free tools available on-line that facilitate asynchronous work and coordination.

Addressed to: All those interested in collaborative culture, networking and community projects, artist workshops, Fab labs, makerspaces, hackerspaces and those who want to set up a space or community focusing on creative technologies and new forms of production

Time: 9.30 a.m. – 12.30 p.m.

Venue: Plató, LABoral

Participants: 15

Registration: Free-of-charge, registration required

Conducted by: **Sara Alvarellos** and **César García Sáez**, Makespace Madrid, a space devoted to digital fabrication, offering the latest tools for creating prototypes and developing products and creative and technological projects.

<http://makespacemadrid.org/>

Fab Textiles

SATURDAY 14TH AND SUNDAY 15TH NOVEMBER

Personal fabrication generates opportunities to discover new techniques in fashion design and the interaction between human beings, clothes and materials.

This workshop will introduce participants to the new tools of digital fabrication, 3D modelling, 3D printing, 3D scanning and their applications in fashion and digital sewing.

Addressed to: All those interested in the world of customized fashion using open code. Participants can bring their own designs to be developed in the workshop

Time: 9.30 a.m. – 12.30 p.m.

Venue: Aula 2 and fabLAB Asturias, LABoral

Participants: 10

Registration: Activity free-of-charge, following registration and submission of a brief letter of interest

Conducted by: **Anastasia Pistofidou**, architect and Responsible for External Projects and Digital Fabrication at Fab Lab Barcelona/IAAC Barcelona. She specializes in hardware development and the integration of fast prototyping in design and production

<http://www.fablabbcn.org/>

A monster came out of the machine...

SATURDAY 14TH AND SUNDAY 15TH NOVEMBER

“It was a morning in November when something that seemed to be a harmless piece of felt came out of the machine as the pieces of what would become a terrible monster...”

This could be the beginning of the monster that came out of the machine, a workshop where little Frankensteins will design monsters, puppets that will be not only built but also given life by means of electronic circuits attached to fabrics with conductive thread. The pattern will be cut on the felt with a laser cutter and then an electronic circuit will be added and connected via conductive thread.

Addressed to: Children from 10 years of age (under 10 must be accompanied)

Time: 9.30 a.m. – 12.30 p.m.

Venue: Exhibitions gallery, LABoral

Participants: 8

Registration: Activity free-of-charge, registration required

Conducted by: **Nuria Robles Miguélez**, Fab Lab Manager, Fab Lab León (SP). Industrial engineer by Universidad de Oviedo, specialized in machine construction and passionate for graphic arts and the convergence between handcraft and digital.

<http://www.fablableon.org/>

Design and manufacture of Open Source parametric furniture

SATURDAY 14TH AND SUNDAY 15TH NOVEMBER

This workshop focuses on the use of shared digital tools and furniture design.

Parametric design allows participants to learn how to translate traditional solutions in design and furniture manufacture to digital fabrication.

- Addressed to:** Creatives, designers, artists, artisans... Previous knowledge is advisable but not required, as we will be working with an intuitive module
- Time:** 3 p.m. - 6 p.m.
- Venue:** Aula 1 and fabLAB Asturias, LABoral
- Participants:** 12
- Registration:** Activity free-of-charge, following registration and submission of a brief letter of interest
- Conducted by:** **Juan José Olmo Bordallo**, architect and responsible for Ehcofab, Laboratorio de fabricación digital, Sevilla (SP). His research focuses on the relationships between digital fabrication, ecology and the alternative media of material production

Creative technologies on paper

Make your own fanzine!

SATURDAY 14TH AND SUNDAY 15TH NOVEMBER

Participants in this workshop will combine traditional techniques such as collage or handcraft printing with digital fabrication tools and basic electronics to design a fanzine, an icon of the DIY culture adapted to the new times.

Technological tools accessible now to the general public, become instruments for creative expression and contribute to the first pages of a new narrative that should extend the virtuous circle of digital revolution to other audiences.

- Addressed to:** All those interested in maker culture and its creative potential
- Time:** 3 p.m. - 6 p.m.
- Venue:** Exhibitions gallery, LABoral
- Participants:** 12
- Registration:** free-of-charge, registration required
- Conducted by:** **Espacio Open**, Bilbao (SP). Since 2009, Espacio Open is a space that combines digital culture, traditional industry and urban culture
- <http://espacioopen.com/>

Serigraphy with computational design

SUNDAY, 15TH NOVEMBER

In this workshop participants will learn how to generate and modify patterns with the visual programming environment Dress Code to make screens (with serigraphy or lighting) using the vinyl cutter and textile vinyl cutting machine.

Addressed to: All those interested in learning computation and digital fabrication techniques for screen printing. No previous knowledge is needed

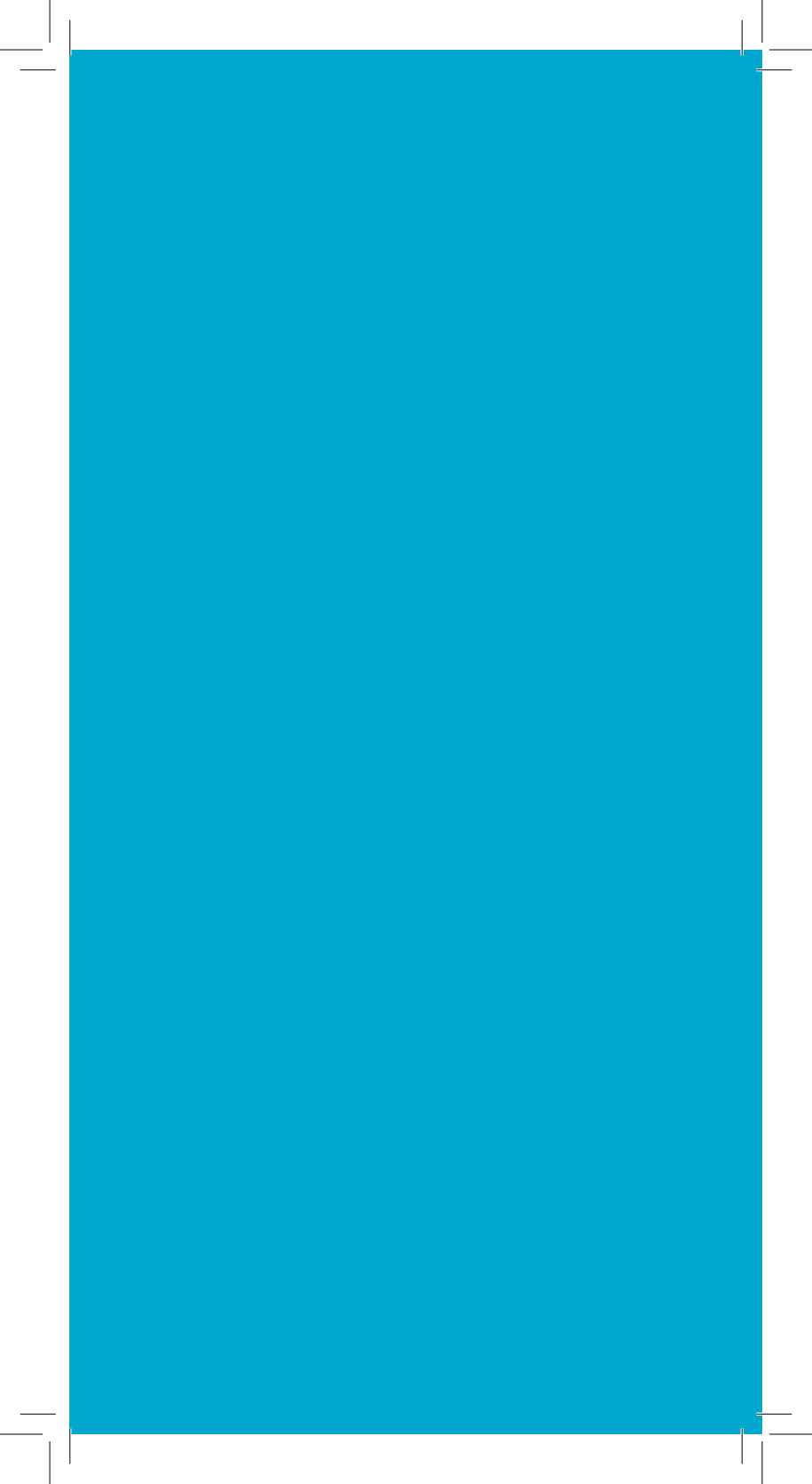
Time: 3 - 6 p.m.

Venue: Aula 2 and fabLAB Asturias, LABoral

Participants: 12

Registration: free-of-charge, registration required

Conducted by: **Susanna Tesconi**, designer of learning and technology environments and researcher, Barcelona. She is currently completing a PhD programme, she is a member of Stanford University and she develops the line of digital design and fabrication of the AuLAB programme at LABoral



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Centro de Arte y Creación Industrial

Los Prados, 121 - 33203 Gijón (Asturias) España | Tel. 985 185 577 | Fax. 985 337 355

info@laboralcentrodearte.org | www.laboralcentrodearte.org

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