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# Workshop on movement qualities and physical models visualizations

IRCAM

March 1 & 2, 2012.

Paris, France.

## Context

The workshop « Movement Qualities and Physical Models Visualizations» organized by Ircam-Centre Pompidou and LIMSI-CNRS, is held at Ircam in Paris, on March 1 & 2, 2012. The workshop's themes are current research directions carried out both at LIMSI-CNRS, in the AMI (Architecture and Models for Interaction) team and at Ircam, in the IMTR team (Real Time Musical Interactions), in particular through the PhD work of Sarah Fdili Alaoui under the directions of Christian Jacquemin and Frédéric Bevilacqua.

## Goal of the workshop

The workshop is meant to foster discussions, presentations, round tables, hands-on activities, and live improvisations or performances involving researchers, artists, designers, HCI designers and developers. It will focus on various aspects of dance and digital media such as whole body interaction, dance documentation, pedagogy and representation and gesture augmentation. These topics will benefit from various contributions on movement analysis, dance notation and representation, interactive installation for danced performances, advanced real-time computer graphics, and movement synthesis for dance gesture modelling.

The goal of this workshop is to gather most recent advances in these areas with a focus on the various relationships between visuals or graphic feedback based on physical models and movement quality in dance in both the artistic and scientific fields. Thus, this workshop federates people working in scientific domains such as Human Computer Interaction, Computer Graphics, Machine Learning, Artificial Intelligence, Robotics, Affective Computing, Cognitive sciences, Neuroscience, Psychology...etc as well as artists from Choreography, Dance Studies, Dance Aesthetics, Dance History, and Design. The workshop aims at promoting scientific and artistic collaborations in this inter-disciplinary boundary. It will also offer opportunities to disseminate recent research works through oral presentations, demonstrations, and group discussions or round tables.

The following research axes will be approached during these days.

- Movement qualities analysis
- Whole body interaction

- Control of physical models
- Dance movement knowledge, documentation and database
- Presentation of art works

## Acknowledgment

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LIMSI-CNRS laboratory & University Paris Sud

## Organisers

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## Program of the Workshop

Thursday 1st of March			
	ircam [Stravinsky]	ircam [studio 5]	ircam [reception]
09:00			
09:30	Welcome the participant		
09:10	Welcome speech		
09:20	Bertha Bermudez	Talks: Movement qualities analysis	Pause
09:40	Sarah Fdili Alaoui & Fred Bevilacqua & Christian Jacquemin		
10:00	Carolina Johansson & Helena mentis		
10:20			
10:40		Talks: Movement qualities analysis	Pause
10h40	Yevgeniya Kovalchuk		
11:00	Yohan ZEITOUN		
11:20	Rémi Brun		
11:40	Techla shiphrost		
12:00	Group Discussion		
12:30	Lunch time		
12h30			
14:00	Ali Allaoui	Talks: Control of physical models	Pause
14:20	Radoslaw Niewiadomski		
14:40	Joëlle Tilmanne		
15:00		Talks: Control of physical models	Pause
15:20	María Christou		
15:40	Lionel Reveret		
16:00	Group Discussion		
16:30		Demos: Control of physical models	Pause
16:30	Cyrille Henry		
16:50	Laura kriefman		
17:50	Sophie Lavaud & Jean-François Jégo		
17:50		Evening: Presentation of art works	Pause
18:00	Fabienne Gotuss		
18:00	Anne-Sarah/Le Meur		
19:00	Matos/Jean-Marc		
	Anne-Claire Cahaupé & Grégory Fabre		
19:15	Social Event		
21:00			

Friday 2nd of March			
	ircam [Stravinsky]	ircam [studio 5]	ircam [reception]
09:00	Laurent Grisonni		Talks : Whole body interaction
09:20	David England		
09:40	Elena Márquez Segura		
10:00			Pause
10:15	Vangelis Lympouridis - Video pres		
10:25	Alexis Clay		
10:45	Group Discussion		
11:15			Demos : Whole body interaction
11:30	Gilles Pinault		
12:30	Sally E dean		
		Chris Ziegler	
12h30	Lunch time		
14:00	Scott Delahunta		Talks : Dance movement knowledge, documentation and database
14:20	Chris Ziegler		
14:40	Kirk woolfort		
15:00	Katerina El Raheb		
15:20			
15:40		Talks : Dance movement knowledge, documentation and database	
16:00	Lise-Amy Hensen		
16:20	Bud Blumenthal & Jean-Francois Roversi		
16:20	Group Discussion		
17:00		Pause	
17:15			
17:15	Private work meeting		
18:30			

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