



**1st Research workshop of the USERS - CNRS International
Research Network on Urban Physics**

**January 24-29 2022. Polytech-AMU / CINaM
Aix-Marseille University, Campus de Luminy, 13288 Marseille
Organized under the auspices of CNRS and Polytech-AMU**

Organizers:

- **Prof. Emanula Del Gado (Physics Dpt, Georgetown University, Washington-DC, US): ed610@georgetown.edu**
- **Dr. Roland Pellenq (EpiDaPo Lab - CNRS / George Washington University, Washington-DC, US): roland.pellenq@cnrs.fr**
- **Prof. Philippe Dumas (Polytech-AMU and Centre Interdisciplinaire des Nanosciences de Marseille, CINaM, AMU-CNRS): philippe.dumas@univ-amu.fr, dumas@cinam.univ-mrs.fr**
- **Dr. Christophe Bichara (Centre Interdisciplinaire des Nanosciences de Marseille, CINaM, AMU-CNRS): bichara@cinam.univ-mrs.fr**

Thursday Jan. 27th: USERS, Research workshop , day 1

City design and evolution

09h00- 09h40: Prof. Laurence Americi

09h40-10h20: Prof. Carlos Moreno

10h20-11h00: Mr. Emanuel Dujardin

11h00-11h30: coffee

11h30-12h10: Dr. Jake Roxon

12h10-12h50: Dr. Aurélie Biancarelli

12h50-14h00: Lunch (CROUS)

Urban fluxes, mobility

14h00-14h40: Prof. Salma Sherbaz

14h40-15h20: Dr. Eric Servat

15h20-16h00: Dr. Andrea Parmegiani

16h00-16h30: Coffee break

16h30-17h10: Prof. Marta Gonzales

17h10-17h50: Dr. Philip Llewellyn

Friday Jan. 28th: USERS, Research workshop, day 3

Health in Urban environment

09h00-09h40: Prof. Eric Vilain

09h40-10h20: Prof. Lydia Bourouiba

10h20-11h00: Dr. Roland Pellenq

11h00-11h30: coffee

Urban materials science and engineering

11h30-12h10: Dr. Edo Boek

12h10-12h50: Dr. Timm Weitkamp

12h50-14h00: Lunch (CROUS)

Urban materials science and engineering (c'ntd)

14h00-14h40: Prof. Catherine O' Sullivan

14h40-15h20: Prof. Konstantin Sobolev

15h20-16h00: Drs. Katerina Ioannidou / Thibaut Divoux

15h30-16h00: Coffee break

16h00-16h30: Prof. Michael Haist

16h30-17h00: Prof. Emanuela Del Gado

Saturday Jan. 29th: USERS, Research workshop, day 3

Urban materials science and engineering (c'nted)

09h00-09h40: Dr. Jérôme Rose

09h40-10h20: Dr. Jérémie Berthoneau

10h20-11h00: Dr. Pierre Levitz

11h00-11h30: coffee

11h30-12h10: Dr. Romain Dupuis

12h10-12h30: Closing remarks Profs. Emanuela Del Gado and Roland Pellenq,

12h30-14h00: Lunch (CROUS)

(24 talks total)

Carlos Moreno The city of 15mins, a new concept in urban planning

Philippe Lewellyn (CO₂, an industrial point of view)

Jérôme Rose (Materials for the environmental transition)

Eric Vilain (epigenetics in urban environment)

Eric Servat (flooding in urban environment)

Marta Gonzalez

Laurence Americi

Catherine O'Sullivan

Lydia Bourouiba

Katerina Ioannidou / Thibaut Divoux (carbon-cement)

Salma Sherbaz salmasherbaz@rcms.nust.edu.pk, Research Centre for Modeling and Simulation (RCMS), National University of Sciences and Technology (NUST Sector H-12, Islamabad,

Andra parmegiani

Jake Roxon

Emanuel Dujardin

Nobatek

Aurélie Biancarelli-Lopez, Ville de Marseille

Alain Baronnet (Centre Interdisciplinaire des Nanosciences de Marseille, CINaM, AMU-CNRS, Marseille):
baronnet@cinam.univ-mrs.fr

Jérémie Berthonneau (Centre Interdisciplinaire des Nanosciences de Marseille, CINaM, AMU-CNRS,
Marseille : berthonneau@cinam.univ-mrs.fr

Edo Boek, (Dept. of Chemistry, University of Cambridge, UK): esb30@cam.ac.uk

Emanuela Del Gado (Dpt of Physics, Georgetown U., Washington DC, US): ed610@georgetown.edu

Pierre Levitz (PHENIX, CNRS/Université Pierre et Marie Curie, Paris, France): pierre.levitz@upmc.fr

Henri Van Damme (UMI <MSE>2, the joint CNRS-MIT laboratory, Cambridge, US): henri.van-
damme@wanadoo.fr

Konstantin Sobolev (dpt of Civil Engineering, University of Wisconsin at Milwaukee): sobolev@uwm.edu

Timm Weitkamp (SOLEIL Synchrotron, Gif/Yvette, France) weitkamp@synchrotron-soleil.fr

Michael Haist (cement degradations)

Laurent Brochard: Clay simulations