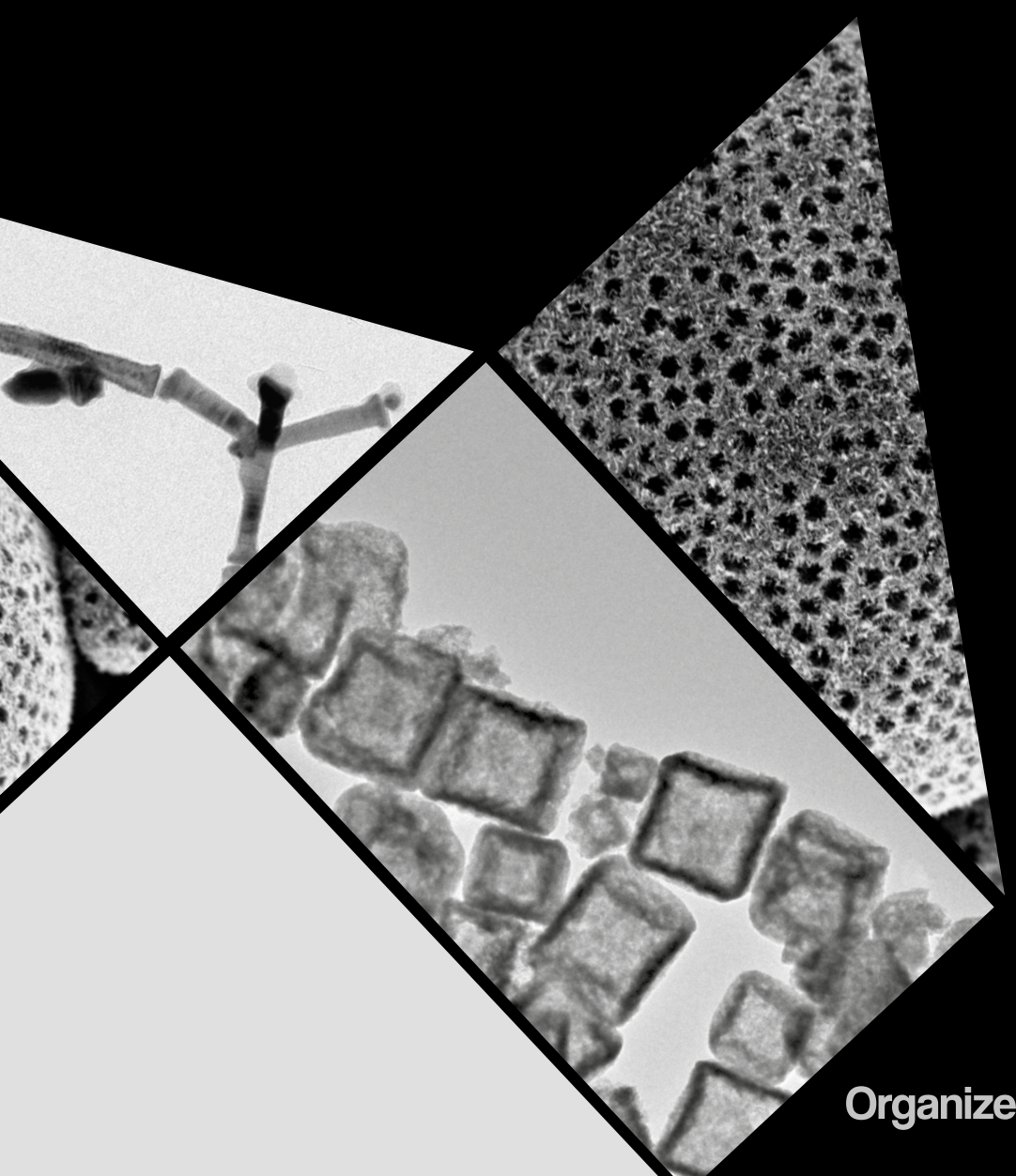


Programme

Porous materials
for
the activation
of small
molecules
July 6, 2021



Halle aux farines
10, 16 rue Françoise Dolto
75013 Paris

Organized by:



11h-13h Demonstration of the H₂-electrolysis and CO₂-electrolysis tests stations – upon reservation (30 min visit, please email us)

13h45-13h55 Introduction

13h55-14h30



Alexis Grimaud
Chimie du solide et énergie,
Collège de France

Low temperature water electrolyzers :
the different technologies and their bottlenecks

14h30-14h50



Mohamed Nawfal Ghazzal
Institut de Chimie Physique,
Université Paris Saclay

Synthèse de nanotubes d'imogolite photoactifs
pour la production d'hydrogène

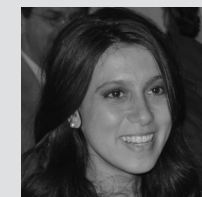
14h50-15h10



Cong Wang
Institut de Chimie Physique,
Université Paris-Saclay

Sol-gel self-biotemplating of mesoporous metal
oxides: original approach for photocatalyst
design and enhanced H₂ generation

15h10-15h30



Maria Letizia De Marco
Laboratoire de Chimie de la Matière
Condensée de Paris, LCMCP,
Sorbonne Université

Ordered macro and
mesoporous high entropy alloys
design and enhanced H₂ generation

15h30-15h50 Break

15h50-16h25



Marc Robert
Laboratoire d'Electrochimie moléculaire,
Université de Paris

Hybridization of molecular and
conductive/semi-conductive porous materials
for CO₂ catalytic reduction

16h25-16h45



Georges Mouchaham
Institut des Matériaux Poreux de Paris,
Ecole Normale Supérieure,
ESPCI Paris, PSL University

MOFs as versatile catalytic platform: towards
sustainable alternatives for energy related
applications

16h45-17h05



Youven Benseghir
Institut Lavoisier de Versailles, UVSQ
Université Paris-Saclay
Laboratoire de Chimie des Processus
Biologiques, Collège de France

Boosting photochemical reduction of CO₂ to
formic acid catalyzed by porphyrinic MOF-545

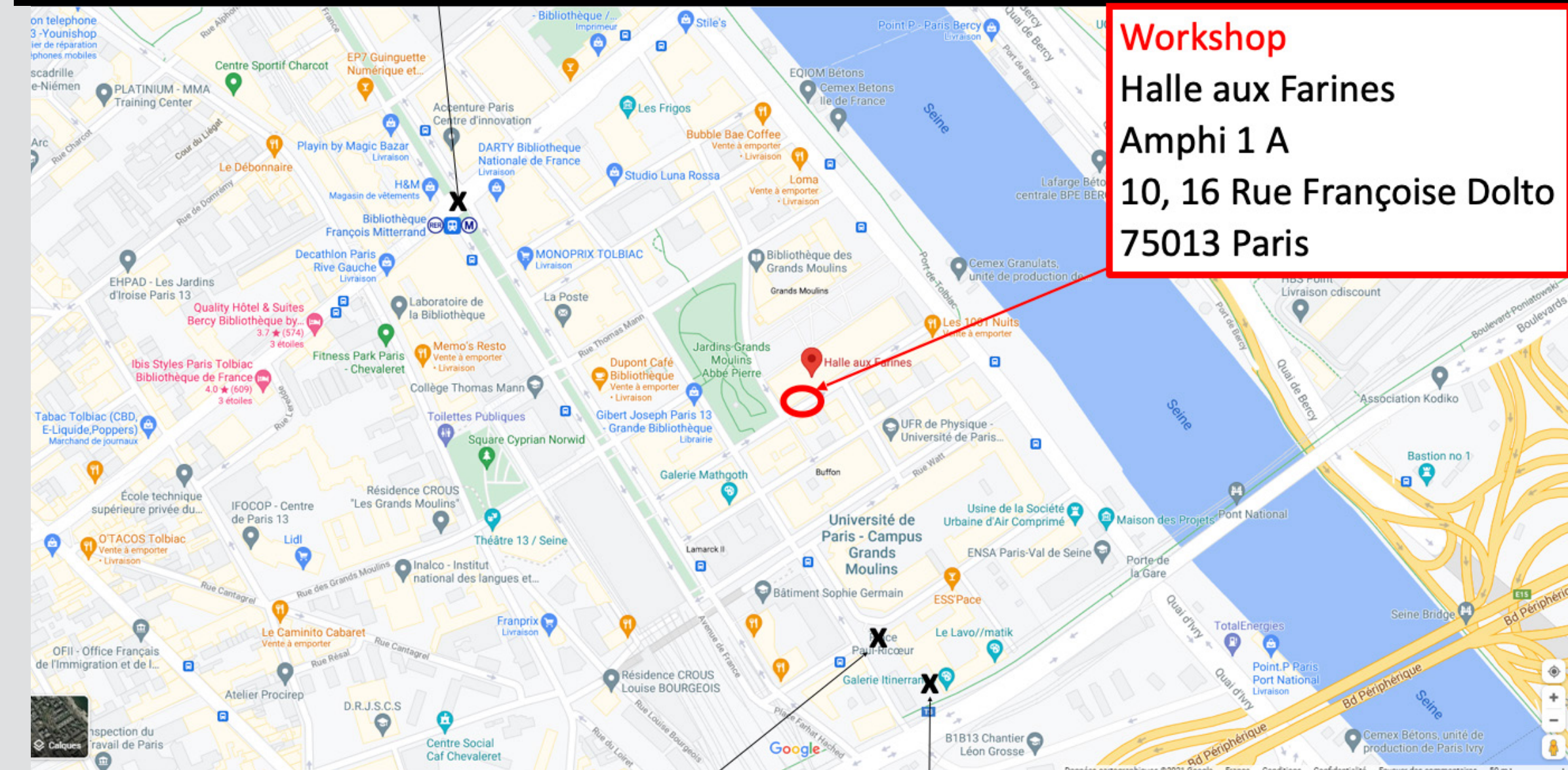
17h05-17h25



Julien Reboul
Laboratoire de Réactivité de Surface,
Sorbonne Université

MOF-derived catalysts for dry reforming of me-
thane and CO₂ methanation

17h25-17h40 Concluding remarks



Workshop
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Amphi 1 A
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