

# International Workshop on Piezoelectric Materials and Applications in Actuators 2019 & ENHANCE Workshop



**1-4 October 2019  
Lyon, France**



*The objective of IWPMA 2019 is to gather researchers to a unique, successful international workshop to share their latest discovery in terms of piezoelectric materials and their application in actuators and more generally energy conversion devices, hence pioneering and shaping the future of piezoelectric materials and devices.*

## Important dates

Short abstract submission deadline	June, 14 <sup>th</sup> 2019
Notification of acceptance	June, 28 <sup>th</sup> 2019
Extended abstract submission deadline	August, 31 <sup>st</sup> 2019
Early bird registration deadline	July, 31 <sup>st</sup> 2019
Conference dates	Oct., 1 <sup>st</sup> -4 <sup>th</sup> 2019



European Commission | Horizon 2020  
European Union funding  
for Research & Innovation

## Topics

<h3>MATERIALS</h3> <ul style="list-style-type: none"> <li>• Piezoelectric material synthesis and elaboration</li> <li>• Manufacturing processes</li> <li>• Multiferroic materials and systems</li> <li>• Composite sensors/actuators</li> <li>• MEMS devices (actuators and sensors)</li> <li>• ...</li> </ul>	<h3>MODELING AND CHARACTERIZATION</h3> <ul style="list-style-type: none"> <li>• Piezoelectric material characterization</li> <li>• Piezoelectric material and device modeling</li> <li>• Multi-physic coupling involving piezoelectric/flexoelectric effects</li> <li>• ...</li> </ul>
<h3>ACTUATORS</h3> <ul style="list-style-type: none"> <li>• Solid State Actuators</li> <li>• Ultrasonic and acoustic devices</li> <li>• Piezoelectric transformers and power electronic devices</li> <li>• Drive Circuits for Actuators/Sensors</li> <li>• Integrated/Hybrid Systems</li> <li>• ...</li> </ul>	<h3>SENSING AND ENERGY HARVESTING</h3> <ul style="list-style-type: none"> <li>• SAW filters</li> <li>• Smart Structures and Systems</li> <li>• Piezo-based Structural Health Monitoring</li> <li>• Energy harvesting structures</li> <li>• Electrical interfaces for energy harvesting</li> <li>• Metamaterials and metastructures</li> <li>• ...</li> </ul>

## Venue

The conference will be held in  
**Espace Tête d'OR**  
103 bd de Stalingrad, 69100 Lyon – Villeurbanne

**By train**  
Part-dieu & Perrache stations  
(direct line from Paris CDG – 2h)

**By plane**  
St-Exupéry airport  
from Paris, Amsterdam, Frankfurt...  
(direct tram RhônExpress to city center)

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