

## NOISE CONTROL

## ENGINEERING IN INDUSTRIAL ENVIRONMENTS

Noise is a common and relevant pollutant that affects the health and wellness of population exposure. This symposium aims to promote an interdisciplinary cross-fertilization between academic scientists, researchers and consultants by sharing solutions, experiences, projects, good practices and cutting-edge developments around acoustics and noise control engineering. It is also expected to provide a platform to discuss about the more recent innovations, trends, concerns and challenges in this field. It is proposed that the symposium addresses topics such as novel measurements techniques, signal processing, passive and active noise control, source identification and numerical analysis, among others.

**Cutting edge techniques for noise control**

Diego Mauricio Murillo Gómez (Asociación Colombiana de Higiene Ocupacional ACHO Capítulo Antioquia, Colombia)

**Noise source identification by using the Wavelet transform**

Juan Pablo Ugarte (Universidad de San Buenaventura Medellín, Colombia)

**Noise mapping of industrial facilities**

Miguel Angel Mesa (SoundPLAN GmbH, Colombia)

## MODERATOR



**Diego Mauricio  
Murillo Gómez**

B.Sc. in Sound Engineering, M.Sc. in Urban Engineering and Ph.D. in Sound and Vibration. Young Scientist awarded by several international scientific associations such as Spanish Society of Acoustics, the American Society of Acoustics and the Audio Engineering Society. Beneficiary of national and international scholarships. COO of Conhintec and Titular Professor of the University of San Buenaventura Medellín. Experience as an international advisor in environmental noise assessment. Scientific publications in referred journals. Areas of research correspond to interactive auralization, environmental noise and noise control

## SPEAKERS

**Juan Pablo Ugarte**

**Miguel Angel  
Mesa**

- Chemical Engineering, Esp. | Project Management.
- Member of National Commits of Acoustics
- Environment and Health and Safety | Regional Manager of SoundPLAN.
- CEO EGS Solutions SAS