



The 17th European Conference on
Antennas and Propagation
(EuCAP)
26 - 31 March 2023



Small antennas for societal development goals

Abstract

Small antennas and highly-integrated antennas are topics of increasing interest with applications ranging from environmental, safety to health applications. We propose to focus on small antennas designed for applications related to sustainable development goals and societal needs. The workshop is structured in three sessions: each one is introduced by a short keynote lecture from an end-user applicative perspective and is followed by a series of pitches by antenna experts. It is supported by the EurAAP small antennas working group with the aim of identifying focus areas that could be of sufficient interest to encourage further discussions and collaborations within the community.

Workshop outline:

	Introduction to the session and presentation of the small antenna WG	10 minutes
Session 1	How sustainable are highly integrated on-chip antennas? Teaser keynote virtual talk on Circular economy applied to electronics, batteries and antennas by Stephane Bourg (French Geological Survey, BRGM)	10 minutes
	Pitches on research related to highly integrated on-chip antennas	10 minutes
	Panel discussions/questions	10 minutes
Session 2	Antennas for green and environmental applications Teaser keynote virtual talk on Emerging technologies for biodiversity monitoring by Prof. Ian Donohue (School of Natural Sciences, Trinity College Dublin, Ireland) - TBC	10 minutes
	Pitches on research related to green application for antennas	10 minutes
	Panel discussions/questions	10 minutes
Session 3	Antennas for road safety applications Teaser virtual keynote on Road-safety applications enabled by Cooperative intelligent transport system Marie-Christine Esposito (French ministry of Ecological Transition)	10 minutes
	Pitches on research related to antennas for road safety applications	10 minutes
	Panel discussions/questions	10 minutes
	Questions and concluding comments	10 minutes

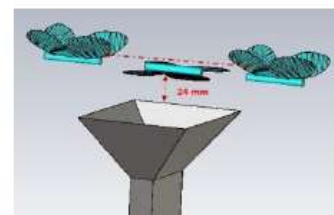
Each session as presented will consist of a few pitches (3-5 minutes). A call for contribution will be sent to the members of the Small Antennas WG. If the number of contributions is higher than 3, the small antenna WG will host online sessions. At least 3 potential contributions have been already been identified by the co-proposers.



*Antenna integrated on a bee
(©UPV)*



Antenna for roadworker safety application (©Uni Eiffel)



*CST model of antenna for insects
(©Trinity College Dublin)*



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key speakers

- Stephane Bourg (French Geological Survey, BRGM)
- Ian Donohue, Professor, Head of School of Natural Sciences at Trinity college Dublin. The aim of his research is to understand and predict how key elements of global change alter the functioning and stability of ecosystems.
- Marie-Christine Esposito, is the head of the road information, information systems and Cooperative intelligent transport system office at the French ministry of Ecological Transition). She is an C-ITS expert has been the technical coordinator of several cooperative intelligent transport system EU projects for France, namely: Scoop@F, C-Roads, Intercor, Indid...