ID de Contribution: **20**                                                           Type: **Talk (Long)**

# Radar imaging for earth observation and climate science and the key contribution of machine learning

*jeudi 11 juillet 2024 10:15 (45 minutes)*

In this talk I will first introduce the basics of radar imaging and present some applications
for climate science. I will then show how machine learning can make a key contribution
to improve radar data degraded by the speckle phenomenon and extract useful information.
I will focus on self-supervised methods allowing for exploiting a wide range of unlabeled data.

**Orateur:**   Prof. TUPIN, Florence (Telecom Paris)

**Classification de Session:**   Climate Sciences

**Classification de thématique:**   Invited talks