

# Kick off Meeting ANR OCTAVES

*Vendredi 11 février 2022*

Salle A415  
INRIA Paris  
2 Rue Simone Iff, Paris

<b>Programme</b>	
<b>9:00- 9:30</b>	<b>Mazyar Mirrahimi : Models and approximations for driven damped Josephson circuits</b>
<b>9:30 – 10:00</b>	<b>Olivier Buisson: Introduction cross-Kerr coupling for readout</b>
<b>10:00 - 10:30</b>	<b>Benjamin Huard: Applications to parametric pumping in superconducting circuits</b>
<b>10:30 - 11:00</b>	<b>Dima Shepelyansky: Qubit read-out with quantum chaos detector</b>
<b>11:10 - 11:20</b>	Coffee break
<b>11:20 - 11:50</b>	<b>Cyril Mori: Preliminary results on cross-Kerr coupling for readout</b>
<b>11:50 – 12:20</b>	<b>Alexis Jouan: Effect of a cavity drive on fluxonium transition rates</b>
<b>12:20 – 14:00</b>	Lunch
<b>14:00 - 14:30</b>	<b>Alexandru Petrescu: Readout problem in circuit QED: Purcell effect and nonlinear relaxation mechanisms</b>
<b>14:30 - 15:00</b>	<b>Antoine Marquet: Protecting a cat code using a comb of pumps</b>
<b>15:00 – 15:30</b>	<b>Michiel Burgelman: Suppression of chaotic dynamics in strongly-driven inductively-shunted transmon</b>
<b>15:30 - 18:00</b>	<b>Discussions ouvertes pour démarrer le projet</b>