

# 1<sup>st</sup> Nonstationary Day December 12, 2018

## PROGRAM

<b>9h00</b>	Welcome participants
<b>9:30-10:15</b>	<b>Herold DEHLING</b> (Ruhr University, Bochum) <i>Power comparison of nonparametric change-point tests</i>
<b>10:15-11:00</b>	<b>Pierre ALQUIER</b> (ENSAE Saclay) <i>Exponential inequalities for nonstationary Markov Chains</i>
<b>11:00-11:30</b>	Pause
<b>11:30-12:15</b>	<b>Jean-Marc BARDET</b> (SAMM Panthéon Sorbonne University) <i>Local semi-parametric estimation for locally stationary process with infinite memory</i>
<b>12:15-13:00</b>	<b>Lionel TRUQUET</b> (ENSAI Rennes) <i>Time-varying time series models for categorical data</i>
<b>13:00-15:00</b>	Lunch
<b>15:00-15:45</b>	<b>Anne VAN DELFT</b> (Ruhr University, Bochum) <i>A similarity measure for second order properties of non-stationary functional time series with applications to clustering and testing</i>
<b>15:45-16:30</b>	<b>François ROUEFF</b> (Telecom Paristech) <i>Prediction of weakly locally stationary processes by auto-regression</i>
<b>16:30-17:15</b>	<b>Karine BERTIN</b> (CIMFAV Valparaiso) <i>Selection procedures for local stationary AR(1) processes</i>

**Organizers: Paul Doukhan, Olga Klopp, Nicolas Marie, Jean-Luc Prigent**

