



50<sup>th</sup> anniversary of  
Alfred Kastler's Nobel Prize

**Kastler**

*Symposium*

December 1<sup>st</sup> 2016

*Jean Jaurès Conference Hall*  
Paris, 29 rue d'Ulm, 9 am - 6 pm

Information and registration:

<https://kastler2016.sciencesconf.org>

# Program

|                   |  |
|-------------------|--|
| 9:00 am-9:15 am   | Welcome coffee   |
| 9:15 am-9:30 am   | <b>Antoine Heidmann</b> - Director of Laboratoire Kastler Brossel (France)<br><i>A perspective on the legacy of Kastler's work</i> |
| Morning session   | Chairman: <b>William Phillips</b> - NIST (USA)<br>(Jean Jaurès Conference Hall – underground)                                      |
| 9:30 am-10:15 am  | <b>Daniel Kleppner</b> - MIT Cambridge (USA)<br><i>The luminous world of Alfred Kastler</i>  |
| 10:15 am-11:00 am | <b>Tilman Esslinger</b> - ETH Zurich (Switzerland)<br><i>The appeal of quantum gases</i>   |
| 11:00 am-11:30 am | Coffee break (Espace Ferry – ground floor)   |
| 11:30 am-12:15 am | <b>Luiz Davidovich</b> - U. Federale de Rio de Janeiro (Brazil)<br><i>Quantum reservoir engineering: dissipation as a resource</i> |

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|-------------------|--|
| Afternoon session | Chairman: <b>Serge Haroche</b> - Laboratoire Kastler Brossel (France)<br>(Jean Jaurès Conference Hall – underground)   |
| 2:00 pm-2:45 pm   | <b>Pascale Senellart</b> - C2N - CNRS / U. Paris-Sud (France)<br><i>Manipulating single atoms and photons in the solid-state</i>   |
| 2:45 pm-3:30 pm   | <b>Dmitry Budker</b> - U. Mainz (Germany) / U.C. Berkeley (USA)<br><i>Optical magnetometry in the lab, in the field, and in the sky</i>  |
| 3:30 pm-4:00 pm   | Coffee break (Espace Ferry – ground floor)   |
| 4:00 pm-4:45 pm   | <b>Jim Wild</b> - U. Sheffield (UK)<br><i>Magnetic resonance imaging of laser polarised gases – experiences with <math>^3\text{He}</math> and <math>^{129}\text{Xe}</math></i> |
| 4:45 pm-5:30 pm   | <b>Jun Ye</b> - JILA Boulder (USA)<br><i>Follow the Kastler creed: finding things out optically</i>  |
| 5:30 pm-6:00 pm   | <b>Marie-Anne Bouchiat</b> and <b>Claude Cohen Tannoudji</b><br><i>A few personal recollections</i>  |

 **Laboratoire Kastler Brossel**  
Physique quantique et applications

