

## **TERMS OF REFERENCE FOR INTERNSHIP AT THE BIPM**

The BIPM seeks to have an intern to work at the BIPM during 6 months as part of a study conducted in conjunction with the OECD. It is expected to start the internship during spring 2018. The remuneration of intern will depend on experience and personal circumstances but is expected to be in the range 800 to 1300 euros per month. The placement will be awarded in accordance with standard practices of the BIPM for internship.

### **Objective of internship**

Under the supervision of the Director of the BIPM International Liaison and Communication (ILC) Department, the successful applicant will conduct relevant research and develop a study "*The Case of the International Bureau of Weights and Measures (BIPM): The CIPM MRA. Understanding the value of system establishing equivalence and recognition of measurements worldwide*" which will be one in a series of studies developed to highlight the role of international organisations in fostering international regulatory co-operation. As such, the BIPM Case study will be published under the framework of the OECD initiative "A partnership for effective international rule-making" during 2014-2016, see <http://www.oecd.org/gov/regulatory-policy/international-organisations-and-role-in-irc.htm>.

The study will describe the operation of the BIPM but its primary focus will be to identify the economic impact mechanisms of the CIPM MRA and to quantify them in economic terms, particularly those related to international trade. It should be noted in this respect that the proposed study will have a more in-depth analytical purpose than previously conducted case studies.

### **Duties and responsibilities**

Specific duties to develop the study include, but may not be limited to:

- work closely with the BIPM ILC Department and other departments as well as relevant OECD experts to ensure a sound understanding of the CIPM MRA, and to;
- develop the basis of the study;
- develop economic model/methodology to quantify impact;
- conduct necessary research, collect data and analyze it in depth;
- draw conclusions from the study and have them validated by the BIPM and the OECD;
- complete and submit the study (or at least its preliminary findings) latest by the end of October 2018 so that results can be quoted at the 26<sup>th</sup> meeting of the General Conference on Weights and Measures (CGPM) to be held in November 2018;
- study to be finalized and published by the OECD no later than the end of March 2019 for launch at the Annual Meeting of International Organisations of Spring 2019.

### **Necessary skills, qualifications and experience**

- Master's degree holder or PhD candidate (be ideally supervised by a Professor) in Economics or other relevant field,
- Fluent written and spoken English, a knowledge of French would be an asset,
- Good knowledge of Microsoft Office (MS Word, PowerPoint, Excel and Outlook),
- Excellent analytical and research skills,
- Excellent verbal and written communication skills,
- Ability to work in a team, in a multicultural environment,
- Knowledge and experience related to the field of metrology and/or other quality infrastructure element (*e.g.* accreditation, documentary standards) will be an asset.

## **Applications**

The BIPM encourages applications from persons with relevant qualifications and experience, regardless of gender or nationality.

Please send a C.V. and a covering letter (both in English) to [andy.henson@bipm.org](mailto:andy.henson@bipm.org) by 14 February 2018.

Candidates will be contacted in case of selection for an interview and may initially be requested to participate in a telephone interview.

## **Background**

The International Bureau of Weights and Measures (BIPM) is an intergovernmental organization established by the Metre Convention on 20 May 1875.

Its **vision** is to be universally recognized as the world focus for the international system of measurement. Its **mission** is to work with the NMIs of its Member States, the RMOs and strategic partners world-wide and to use its international and impartial status to promote and advance the global comparability of measurements for:

- Scientific discovery and innovation,
- Industrial manufacturing and international trade,
- Improving the quality of life and sustaining the global environment.

Its **objectives** are:

- To represent the world-wide measurement community,
- To be a center for scientific and technical collaboration,
- To be the coordinator of the world-wide measurement system.

Fulfilling mission and objectives of the BIPM is underpinned by its work in:

- *capacity building*, which aims to achieve a global balance between the metrology capabilities in Member States;
- *knowledge transfer*, which ensures that our work has the greatest impact.

The International Bureau of Weights and Measures has the mandate to provide the basis for a single, coherent system of measurements throughout the world, traceable to the International System of Units (SI). This task takes many forms, from direct dissemination of units (as in the case of mass and time) to coordination through international comparisons of national measurement standards (as in electricity and ionizing radiation).

The BIPM participates in (and pilots) a number of comparisons and, based on its associated measurement services, carries out calibrations in selected areas for NMIs of the Member States.

The CIPM Mutual Recognition Arrangement (CIPM MRA) is the framework adopted in 1999 through which National Metrology Institutes demonstrate the international equivalence of their measurement standards and the calibration and measurement certificates they issue. The CIPM MRA was referenced in ILAC P10 and will be referenced in the new international standard ISO/IEC 17025. The BIPM runs the CIPM MRA processes.

The BIPM works in close cooperation with many other international bodies concerned with different aspects of metrology (*e.g.* WTO, ISO, ILAC, OIML, UNIDO, WHO, WMO, etc.).

The BIPM is based in Sèvres, in the outskirts of Paris (France), and has an international staff of about 74. Further information can be found on [www.bipm.org](http://www.bipm.org).