***CALL FOR APPLICATIONS: SENSORFINT TRAINING SCHOOL 2022 IN CHEMOMETRICS***

**Introduction**

Training Schools are one of the type of networking activities organised by a Cost Action to help the Action achieve their MoU Objectives and deliver impact with regard to Capacity Building and Research Coordination.

**SENSORFINT Cost Action** organises its **first training school on Chemometrics** aims to deepen the trainee’s knowledge in spectral data analysis. Aspects of unsupervised analysis and multivariate linear and nonlinear calibration will be addressed. The pedagogical objective is to provide the trainees with the theoretical and practical bases to make them autonomous to manage their spectral data.

The **SENSORFINT First Training School** will be celebrated from **5 Sept -2022 (2.00 pm) to 9 Sept -2022 (2.00 pm) in Sète (France). Modality: face to face**

[**https://www.lazaretsete.com/?lang=en**](https://www.lazaretsete.com/?lang=en)

**SUMMARY OF THE TRAINING PROGRAM:**

* Introduction
* PCA Theory & application. Unsupervised Challenge.
* Modelling & Validating. Supervised Challenge.
* ANN based methods
* Local methods
* Final Challenge

**TEACHING STAFF**

* Jean Michel Roger from INRAE, France
* Tom Fearn, from UCL – London’s Global University,UK
* Marina Cocchi from University of Modena and Reggio Emilia, Italy
* Federico Marini, from La Sapienza Università di Roma, Italy
* Matthieu Lesnoff, from CIRAD, France

**SOFTWARE PRACTICE SUPERVISORS**

* Jean Claude Boulet from INRAE, France
* Gilles Chaix from CIRAD, France
* Martin Ecarnot from INRAE, France
* Eric Latrille from INRAE, France
* Virginie Rossardfrom INRAE, France

**\*See more information in www.sensorfint.eu.**

**IMPORTANT DATES FOR THE CALL**

**Call launched**: March 2nd 2022

**Application deadline**: 18th April 2022

**Decision by the evaluation committee**: 6th May 2022

This call is open to all participants, but priority will be given to Young Researchers and Innovators (researchers and innovators age below 40). A balance between Working Groups, gender and geographical range will also be considered.

**Eligibility and more info (See** <https://www.cost.eu/uploads/2021/10/COST-094-21-Annotated-Rules-for-COST-Actions-Level-C-2021-11-01-1.pdf> for **full details)**

**How to apply**

The applicant should complete:

* A fully completed COST TS application form (see the template).
* A motivation letter.
* Applicant CV (reduced version 4 pages maximum).

**\* This information must be submitted to the following persons by email:**

The Chair of the COST Action (Prof. Lola Pérez Marín, dcperez@uco.es)

The Vice Chair (Prof. Tom Fearn, t.fearn@ucl.ac.uk)

The TS coordinator (Prof. Jean-Michel Roger, jean-michel.roger@inrae.fr)

They will be in charge of the selection procedure.

**Evaluation criteria**

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| --- | --- |
| * Scientific quality excellence | 10 % |
| * Previous experience in:   - Practice (or knowledge) in spectroscopy, to be used with spectral data.  - Practice on factorial methods, to be able to calibrate a PLS, to carry out a PCA, | 60 % |
| * Training benefit for the applicant | 20 % |
| * ITC countries | 10 % |

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| **SENSORFINT TRAINING SCHOOL**  **APPLICATION FORM** | |
| **Full name of the candidate** |  |
| **Affiliation  (name of the Institution)** |  |
| **Country of the institution** |  |
| **Address of the Institution** |  |
| **Gender of the candidate** |  |
| **Email of the candidate** |  |
| **Young Researchers and Innovators (researchers and innovators age below 40). (Yes/No)** |  |
| **PhD (Yes/No)** |  |
| **Type of member of SENSORFINT:**  **MC member, Partner** |  |