Position: web developer (H/F)
Employer: Tamas project – SYRTE/Observatoire de Paris
Offer: One year full time
From January 2018
Contact: gala.topalian@obspm.fr; matthieu.husson@obspm.fr
Application deadline: October 23, 2017 (CV and motivation letter)

Position and tasks
This position is attached to the research project Tamas (tamas.hypotheses.org), led by Principal Investigator Dr Matthieu Husson, in the context of the project DISHAS (Digital Information System for the History of Astral Sciences). The developer’s tasks will include the following:

1. Developing and implementing an interface on the web application DISHAS to allow the input of historical astronomical tables according to the following specifications:
   - Input of numbers, and conversion between, their various formats (decimal, sexagesimal, etc.)
   - Control and validation of numerical input
   - Input of numerical tables on the basis of several available methods, e.g. “prediction” of the tabular values by means of computation or tabular differences, input from csv files, etc.
2. Analysing previously developed statistical tools (parameter estimation) in TurboPascal /Delphi and exploring the possibility of implementing these within DISHAS.
3. Collaborating with the research team in the conception of DISHAS’s mathematical toolbox and proposing tools adapted to researchers’ needs.
4. Ensuring the developed product is user-friendly.

Profile
- Knowledge of and experience with back and front web development languages (including: PHP, Python, JS)
  Note: DISHAS is being developed in PHP (Symfony), thus a knowledge of this framework would be advantageous. Furthermore, knowledge of mathematical software, such as Matlab and Maple, would be an asset.
- Background in the mathematical sciences and interest in humanities and history
- Excellent team work skills, proficiency in oral and written communication

Working conditions:
- SYRTE (UMR 8630) is a 95 strong research of the CNRS and UPMC located at the Paris Observatory. This team carries out research in theoretical astronomy, time metrology and the history of astronomy. It provides services to several state and European institutions (CNES, Marine Nationale,…), as well as to the private sector in France and abroad. SYRTE has a large computer science service (10 staff members).
- The developer will work within the Tamas project financed by Paris Sciences et Lettres and hosted at the Paris Observatory with the history of astronomy branch of SYRTE (4 permanents, 2 postdoc, 3 PhD, 1 IT, 10 associate researchers) . They will be working in a multidisciplinary team with French and English as the working languages.
- The team consists of: Dr Matthieu Husson – Principal investigator, historian of mathematical astronomy, Galla Topalian – Head of DISHAS digital project, Digital Humanities engineer, and Dr Anuj Misra – Tamas postdoctoral researcher, historian of mathematical astronomy.
- The exact salary will be determined according to the Paris Observatory policies and will depend on the candidate’s profile (net from 1700 to 2100 euros per month).