

IUPAC Project Progress Report

Date: **July 2007**

Task Group Leader: **Fred Brouwer and Enrique San Román**

Project number: **#2004-021-1-300**

Project Title: **REFERENCE METHODS, STANDARDS AND APPLICATIONS OF PHOTOLUMINESCENCE**

Report:

1. Current status of project:

The project started in august 2004, and the end date has been extended to 31 December 2007.

2. Progress relative to 'milestones':

The project has been subdivided into four tasks:

1. Steady-state luminescence measurements (general aspects; various types of standards; multidimensional spectroscopy)
2. Time-resolved spectroscopy and decay analysis
3. Single molecules and microfluorimetry
4. Luminescence measurements in non-homogeneous and highly absorbing media

For sub-task 1 a detailed work plan has been made, but the actual writing of most of the drafts had to be postponed to August/September 2007. Rules concerning authorship have been confirmed. For sub-tasks 2 and 4 most drafts are available and will be circulated within the TG soon.

The final goal is to publish the work in the form of technical notes appearing as separate papers in a single issue of PAC and possibly by other means. At the TG meeting during the 10th Conference on Methods and Applications of Fluorescence (MAF10, Salzburg, September 9-13, 2007), the progress will be discussed. A decision will be made about sub-task 3.

3. Difficulties encountered (or concerns):

The project is behind schedule, mainly because all TG members are active researchers in academic or governmental laboratories, and have difficulty to find time to produce their contributions.

4. Projected completion date (documents ready for external review):

We expect to have all draft documents ready by September 2007. Draft versions of all papers will be delivered for internal review. After the revision stage, as soon as minimum consensus is achieved, papers will be posted at the IUPAC web site.

5. Please list all of the intended outputs and the dissemination plan for this project (viz. articles, CD, conference presentations; etc.). These may have been expanded since project approval

- Preliminary manuscripts will be posted in the project web page at the IUPAC site.
- The project status will be reported through the web pages and newsletters of the photochemical associations.
- Manuscripts will be presented at the MAF10 conference, Salzburg, September 9-13, 2007, where the last TG meeting will take place. About half of the members will attend.
- After peer review, articles will be published in a single volume of Pure and Applied Chemistry.
- In order to increase the readership, papers may be submitted to different journals.

6. If your project is within 6 months of completion, how do you plan to utilise any remaining budget for this project?

We have asked for extension until December 2007 and use the remaining budget for the final meeting of the TG at the MAF10 Conference in September 2007 and for publication costs.

7. Work on this project may have identified new problems, issues, challenges, emerging topics, opportunities for related projects, etc. Please indicate these here so that the Division can follow up on them:

n.a.