

## IUPAC Project Progress Report

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

**Project Title:** "Reference Methods, Standards and Applications of Photoluminescence"

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

### Report:

1. Current status of project: The project was approved on August 2, 2004. Before that date, part of the Task Group joined at the XX IUPAC Symposium on Photochemistry, held last July in Granada. It was decided, taking into account the high number of participants, that the project would be divided into subtasks. Up to now, a provisional subdivision has been achieved according to the table given below (quotation marks refer to participations not defined up to the moment).

Following the reviewers suggestions, three names were added to the original Task Group, namely, Prof. Nikolaus Ernsting and Dr. Thomas Gustavsson covering the topic of fluorescence up conversion and, in general, ultrafast fluorescence methods, and Dr. Paul DeRose (NIST) to enhance participation of standardization organizations.

Coordinators have been asked to prepare outlines for the corresponding subtask documents.

2. Progress relative to 'milestones': NA.

3. Difficulties encountered (or concerns): None.

4. Projected completion date (documents ready for external review): End of 2006.

5. Intended outputs and the dissemination plan for this project:  
They have not been changed.

6. Work on this project has identified issues and/or opportunities for related projects:  
Nothing can be said up to the moment. Subtask outlines can be a source of new topics or minor changes.

Subtasks and people	Standards				Micro		Fast		Hetero	
	quantum yield standards	spectral and wavelength standards	excitation-emission matrices	anisotropy	micro-fluorimetry	single mol., rel. microscopy, rel. topics	time-resolved methods	ultrafast methods	heterogeneous systems	organic semi-conductors and films
Ulises Acuña				X						
Marcel Ameloot					X					
Noel Boens							X			
Cornelia Bohne									X	
Fred Brouwer	X									
Paul DeRose	X	X								
Jörg Enderlein						X				
Nikolaus Ernsting								X		
Thomas Gustavsson								X		
Niels Harrit		X	X	?						
Johan Hofkens						X				
Alex Knight		X			X	X				
Helge Lemmetyinen								X		
Hiroshi Miyasaka								X		
Ute Resch-Genger	X	X					X			
Alan G. Ryder			X				X		X	
Enrique San Roman									X	
Trevor Smith			X	X						
Mark Thompson										?
Bernard Valeur				X			X			
Hiroyuki Yoshikawa						X				
<b>Coordinated by:</b>	<b>Brouwer</b>				<b>Hofkens</b>		<b>Lemmetyinen</b>		<b>San Román</b>	