

Rapport de soutenance de thèse

EN COTUTELLE

Nom et prénom : Mr BOGDAN MAREKHA

Titre de la thèse :
MICROSCOPIC STRUCTURE AND DYNAMICS IN IONIC LIQUID-SOLVENT
MIXTURES : NMR, VIBRATION SPECTROSCOPY AND SIMULATION STUDY

Discipline : Optique & Lasers,P-C,Atmosphère
Date de soutenance : 19/09/2014

On September 19th 2014, Bogdan Marekha presented to the jury his PhD thesis work entitled "Microscopic structure and dynamics in mixtures of imidazolium-based ionic liquids with polar aprotic solvents" in order to become a Doctor of the University of Lille1, Sciences and Technology in the speciality "Optics, Lasers, Physical Chemistry, Atmosphere".

Bogdan Marekha presented a selection of the most important results obtained during his thesis in a high quality and well organized talk illustrated with appropriate figures. He succeeded to summarize in a 45 minute presentation the large number of results obtained during his thesis in a very clear and didactic way. It is important to notice that, as it was a co-supervision thesis between University of Lille1 and V. N. Karazin Kharkiv National University (Ukraine) in the framework of the "Research project for the French Government grant from the French Embassy in Ukraine - PhD co-tutelle", the presentation and the defense were conducted in perfect scientific English.

During the defense, Bogdan Marekha answered properly and in a very relevant way to the large number of specialized questions asked by the international jury. He showed a possession of a wide knowledge in the scientific fields of quantum modelling and spectroscopy of ionic liquids.

During the deliberation, the jury noticed the extraordinary level of the scientific research works carried out by the candidate. It also stressed out the high level of the scientific discussion that it had with the candidate during the defense. Finally it noticed with great satisfaction that Bogdan Marekha has already published papers in peer reviewed international journals.

After the deliberation, the jury decided unanimously to award Bogdan Marekha the title of Doctor of the University of Lille1, Science and Technology in the speciality "Optics, Lasers, Physical Chemistry, Atmosphere" with the "Très honorable" distinction. The members of the jury also wanted to address the candidate their oral congratulations.

Mention :

Honorable

Très Honorable

L'USTL n'attribue plus de mention "Très Honorable avec les Félicitations" (par décision du Conseil Scientifique du 15 juin 2007)

Nombre de pages du rapport :

Jury :

Président : *Guy BUNTINX*

Signatures des membres

IDRISSI Abdenacer	<i>(Signature)</i>
KALUGIN Oleg	<i>(Signature)</i>
TAKAMUKU Toshiyuki	<i>Toshiyuki Takamuku</i>
TASSAING Thierry	<i>(Signature)</i>

SEITSONEN Ari	<i>(Signature)</i>
BUNTINX Guy	<i>(Signature)</i>
JEDLOVSZKY Pal	<i>(Signature)</i>