1. Annexes

1.1. Partenaires académiques

1.1.1. Laboratoire LAPLACE

1.1.1.1.Résumé

Nom du laboratoire	Laboratoire Plasma et Conversion d'énergie (LAPLACE) UMR 5213
Adresse complète	Université Paul Sabatier – Laplace- Bat 3R3 – 118 route de Narbonne 31062 Toulouse Cedex 9
Directeur du laboratoire	Christian Laurent
Section CNRS	8
Contact scientifique	Cédric Renaud
Objectifs	Fabrication de composants organiques – Etude du principe de fonctionnement du composant organique et de ses interactions au sein d'un système
Site web	http://www.laplace.univ-tlse.fr/

1.1.1.2.Domaines de compétences

- Diodes électroluminescentes (LED-OLEDs)
- Cellules solaires organiques
- Etudes des interfaces dans les composants organiques
- Etudes du vieillissement de composants organiques
- Intégration de composants aux systèmes: éclairage, Lab-on-chip

1.1.1.3.Personnels permanents impliqués

- David BUSO, MCF david.buso@laplace.univ-tlse.fr
- Pierre DESTRUEL, PR pierre.destruel@laplace.univ-tlse.fr
- Pascale JOLINAT, MCF-HDR, pascale.jolinat@laplace.univ-tlse.fr
- Cédric RENAUD, MCF, cedric.renaud@laplace.univ-tlse.fr
- Marc TERNISIEN, MCF, marc.ternisien@laplace.univ-tlse.fr

1.1.1.4.Publications significatives (10 max)

1 " Degradation of phenyl C61 butyric acid methyl ester: poly (3-hexylthiophene) organic photovoltaic cells and structure changes as determined by defect investigations"
T. P. Nguyen, C. Renaud, F. Reisdorffer, L. Wang
Journal of Photonics for Energy 1 (2012) 021013

2 "Conjugated polymer composites and copolymers for light-emitting diodes and laser Semiconducting polymer composites, principles, morphologies, properties and applications"
T.P. Nguyen, P. Jolinat
chap. 15, Wiley-VCH Verlag (2012)

3 " Toward organic photovoltaic cells based on the self-assembly of discotic columnar liquid crystals "
E. Grelet, H. Bock, J. Kelber, O. Thiebaut, P. Jolinat, S. Mirzaei, P. Destruel
Molecular Crystals and Liquid Crystals 542 (2011) 182-189

4 "Performance and defects in phosphorescent light emitting diodes"
C.W. Lee, C. Renaud, P. Le Rendu, T.P. Nguyen, B. Seneclauze, R. Ziessel, H. Kanaan, P. Jolinat
Solid State Science 12 (2010) 1873-1876

5 "Influence of poly (3, 4-ethylenedioxythiophene)-poly (styrenesulfonate) in polyfluorene based light-emitting diodes : evidence of charge trapping at the organic interface"
H. Kanaan, P. Jolinat, G. Ablart, P. Destruel, C. Renaud, C.W. Lee, T.P. Nguyen
Organic Electronic 11 (2010) 1047-1052

6 "Influence of driving scheme on optical and electrical properties of WOLEDs"
D. Buso, T. T. Trinh, T. Marc
***China Illuminating Engineering Journal*, 5 (2010) 11-17**

7 "Measurement of the exciton diffusion length in discotic columnar liquid crystals : comparison between homeotropically oriented and non-oriented samples"
L. Cissé, P. Destruel, S. Archambeau, I. Séguy, P. Jolinat, H. Bock, E. Grelet,
Chemical Physics Letters, 476 (2009) 89-91

8 "Physics and technology of organic light-emitting diodes"
T. P. Nguyen, P. Jolinat
Handbook of Organic Electronics and Photonics, Editor Hari Singh Nalwa, ISBN : 978-1-58883-095-5 (2008)

9 "Reviewing luminous efficiency of white organic light-emitting diodes"
P. Destruel, P. Jolinat, I. Seguy, G. Ablart, J. Farenc
IEEE Industry Applications Magazine 14 (2008) 12-17

10 "Organic solar cells with an ultra thin organized hole transport layer"
S. Archambeau, H. Bock, I. Seguy, P. Jolinat, P. Destruel,
Journal of Materials Science*:* Materials in Electronics 18 (2007) 919-923