1. Annexes

1.1.1. Laboratoire LGP2

1.1.1.1.Résumé

Nom du laboratoire	Laboratoire de Génie des Procédés Papetiers (LGP2) UMR 5518
Adresse complète	Grenoble INP-Pagora / LGP2 461 rue de la papeterie – BP 65 38402 Saint Martin d'Hères cedex
Directeur du laboratoire	Evelyne MAURET
Section CNRS	10
Contact scientifique	Didier CHAUSSY didier.chaussy@pagora.grenoble-inp.fr
Objectifs	Fonctionnalisation de surfaces par procédés d'impression/d'enduction
Site web	http://pagora.grenoble-inp.fr/

1.1.1.2.Domaines de compétences

- Procédés d'impression/d'enduction
- Traitements de surface
- Physicochimie des surfaces et des interfaces
- Rhéologie de fluides complexes
- Formulation d'encres 'fonctionnelles'
- Matériaux lignocellulosiques

1.1.1.3.Personnels permanents impliqués

- Didier CHAUSSY, PR, didier.chaussy@pagora.grenoble-inp.fr
- Naceur BELGACEM, PR, naceur.belgacem@pagora.grenoble-inp.fr
- Nadège REVERDY-BRUAS, MCF, nadege.reverdy@pagora.grenoble-inp.fr
- Davide BENEVENTI, CR, davide.beneventi@pagora.grenoble-inp.fr
- Céline MARTIN, MCF, celine.martin@pagora.grenoble-inp.fr
- Julien BRAS, MCF, julien.bras@pagora.grenoble-inp.fr
- Anne BLAYO, IR, anne.blayo@pagora.grenoble-inp.fr
- Aurore DENNEULIN, MCF, aurore.denneulin@pagora.grenoble-inp.fr
- Jean Luc TOURRON, IE, jean-luc.tourron@pagora.grenoble-inp.fr

1.1.1.4.Publications significatives (10 max)

1. JABBOUR L., GERBALDI C., CHAUSSY D., ZENO E., BENEVENTI D. 'Microfibrillated cellulose-graphite nanocomposites for highly flexible paper-like Li-ion battery electrodes'. Journal of Materials Chemistry, 20(35), 7344-7347, (2010).
2. SASSO C., BENEVENTI D. ZENO E., CHAUSSY D., PETIT-CONIL M., NORTIER P., BELGACEM N. 'Polypyrrole synthesis via carboxymethylcellulose-iron complexes'. BioResource , 5(4), 2348-2361 (2010).
3. SASSO C., ZENO E., PETIT-CONIL M., CHAUSSY D., BELGACEM N. and BENEVENTI D. 'Highly Conducting Polypyrrole/Cellulose Nanocomposite Films with enhanced mechanical properties'. Macromolecular Materials and Engineering. 295(10), 934-941 (2010).

4. PRAS O., CHAUSSY D., STEPHAN O., RHARBY Y., PIETTE P., BENEVENTI D
'Photoluminescence of 2,7-poly(9,9-dialkylfluorene-co-fluorenone) nanoparticles: effect of particle size and inert polymer addition'. Langmuir, 26(18), 14437-14442 (2010).
5. SASSO C., BENEVENTI D. ZENO E., CHAUSSY D., PETIT-CONIL M., BELGACEM N.
'Polypyrrole and Polypyrrole-cellulose based conducting materials: a review', Bioresource, 6 (3), 3585-3620 (2011).
6. JABBOUR L., DESTRO M., GERBALDI C., CHAUSSY D., N. PENAZZI, BENEVENTI D.
'Aqueous processing of cellulose based paper-anodes for flexible Li-ion batteries'.
Journal of Materials Chemistry. 22(7), 3227-3233 (2012).

7. DENNEULIN A., BRAS J., BLAYO A., NEUMAN C.
'Substrate pre-treatment of flexible material for printed electronics with carbon nanotube based ink'.
Applied Surface Science, 257(8), 3645-3651 (2011).
8. DENNEULIN A., BRAS J., CARCONE F., NEUMAN C., BLAYO A.
'Impact of ink formulation on carbon nanotube network organization within inkjet printed conductive films'.
Carbon, 49(8), 2603-2614 (2011).
9. FADDOUL R., REVERDY-BRUAS N., BLAYO A.
'Formulation and screen printing of water based conductive flake silver pastes onto green ceramic tapes for electronic applications'. Materials Science & Engineering, B: Advanced Functional Solid-State Materials, 177(13), 1053-1066 (2012).
10. FADDOUL R., REVERDY-BRUAS N., BLAYO A., HAAS A., ZEILMANN T.
'Optimisation of silver paste for flexography printing on LTCC substrate'.
Microelectronics Reliability, 52(7), 1483-1491 (2012).