



BIO

Improved inks for fine line printing

Aaron Cabrera

Aaron Cabrera started this accomplished career as Molecular Biologist in Universidad de La Laguna. Promptly in his profession, he developed a passion for researching and indeed, he continued his academical formation completing a PhD degree in Biochemistry. Since 2004, when he joined a Research group in Universidad Pública de Navarra, has been connected with nanotechnological materials. He has led several projects, published and collaborated in the publishing of many scientific papers.

The opportunity of joining Mateprincs arrived on August when he took the helm of a new and exciting project; the creation of a R&D department. During these last few months, Mateprincs has launched 6 new inks, generated the needed knowledge to sharp its inks and started several developments that will come into existence along this year.

Abstract:

Fine line is one of the hot topics in printed electronics. Circuits, transparent panels, front fingers for solar panels are among the applications that routinely use this type of printing. The market is increasingly demands finer lines with better reproducibility. Another added problem is that in very small features, the resistance of the printed track can be greatly increased, for which it is essential that the ink is very conductive, so that it is not affected. This has generated the need in ink companies to develop products exclusively designed for this task that could match both printability and conductivity requirements. In this talk, Mateprincs will present a summary of the advances in the improvement of its fine line products.