

Département électronique électrotechnique automatique (EEA)



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## Realization of a demonstrator for the mobile project at PRC in the substrate team

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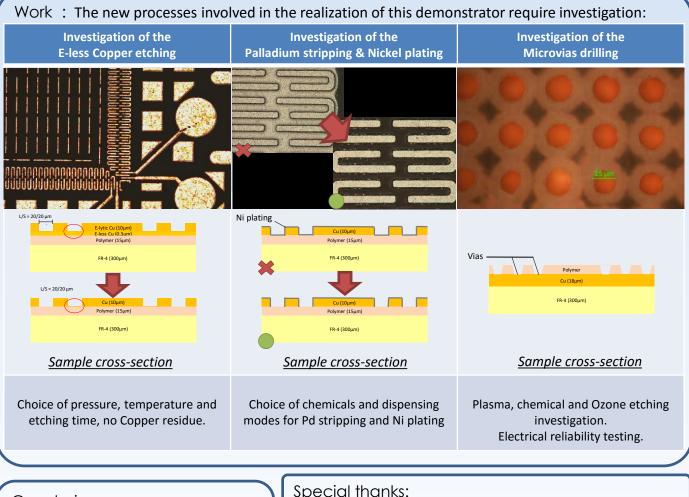
Abstract : In systems packaging, because the systems are becoming compacter, the mechanical stress at the interconnections are a main source of failure and have led the PRC to focus its research on glass for the realization of the package.

In cooperation with companies such as Qualcomm and NTK, this state of the art process must be proven feasible through the realization of a mobile demonstrator.

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## Conclusion :

With the help of Mr. Yuya Suzuki and Mr. Hiroyuki Matsuura, we proved that these three processes are feasible. We can therefore include these three new processes to the process flow of the mobile project.

## To Mr. Yuya Suzuki, to Mr. Hiroyuki Matsuura and Ms. Vanessa Smet

## References :

<u>Fundamentals of microsystems packaging</u>, Pr. Rao Tummala <u>System on package, miniaturization of the entire system</u>, Pr. Rao Tummala <u>Mobile demonstrator overview May IAB</u>, Dr. Venky Sundaram <u>http://www.amd.com/en-us/innovations/software-technologies/hbm</u>, AMD's paper on HBM <u>Design update July Biweekly meeting</u>, Tailong Shi