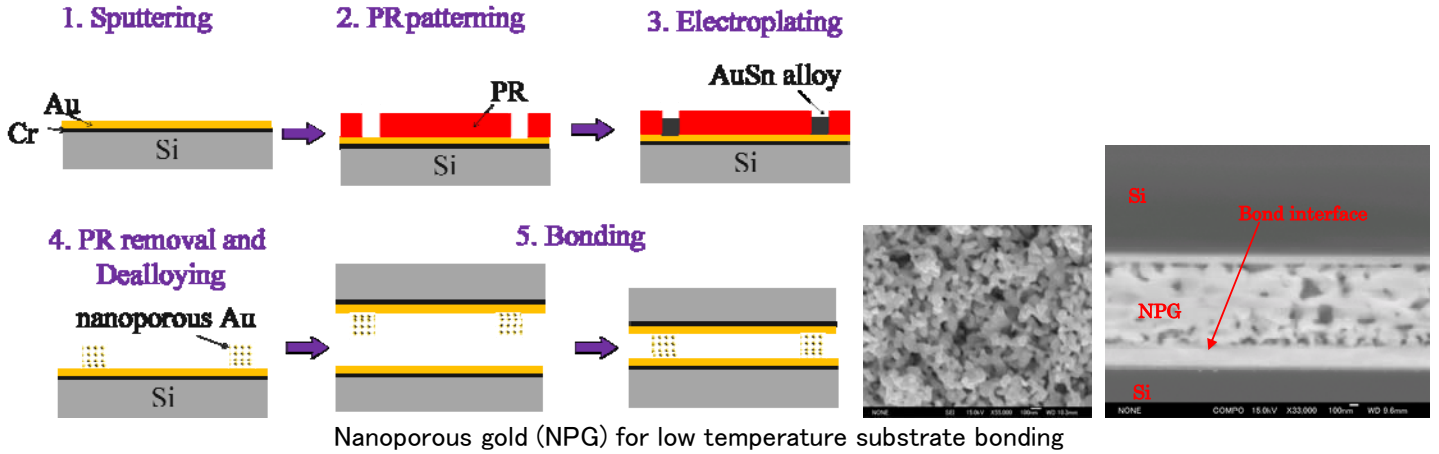
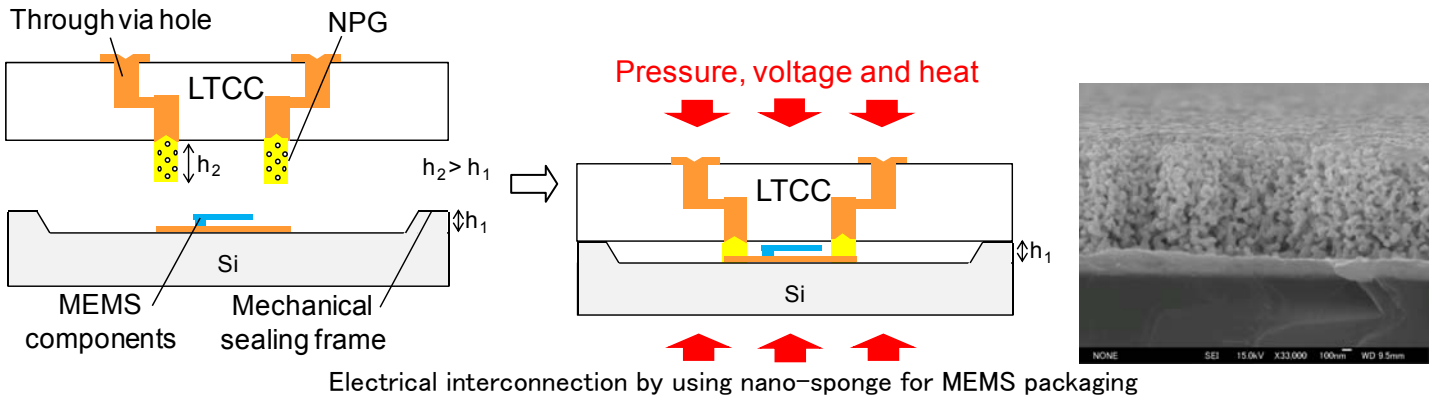


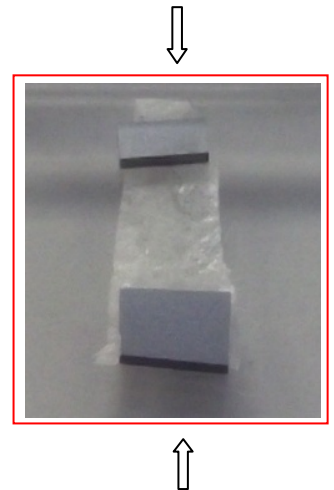
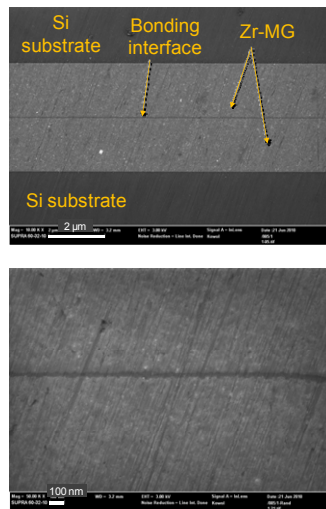
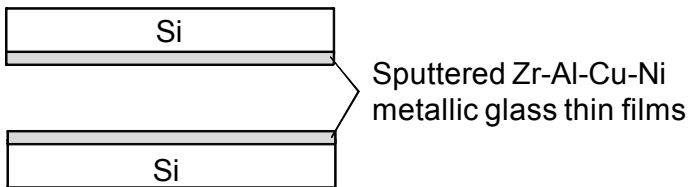
MEMS Materials (WPI-AIMR, Fraunhofer ENAS – Tohoku University)



Reference : W. -S. Wang, Y. -C. Lin, L. Y. Chen, M. W. Chen, T. Gessner and M. Esashi, Demonstration of Substrate Bonding utilizing Au Film and Nanoporous Gold Structures, Proceedings of the International Conference on Wafer Bond ' 11, Dec. 7-8 (2011)



Reference : Y. -C. Lin, W. -S. Wang, L. Y. Chen, M. W. Chen, T. Gessner and M. Esashi, Anodically-bondable LTCC substrates with Novel nano-structured electrical Interconnection for mems packaging, Proceedings of the international conference on solid-state sensors and actuators (Transducers ' 11), June 5-9 (2011) pp. 2351-2354



MEMS bonding technology with Zr-based metallic glass ($Zr_{55}Cu_{30}Al_{10}Ni_5$)

Reference : Y.-C. Lin, J. Froemel, P. Sharma, A. Inoue, M. Esashi and T. Gessner, Zr-based metallic glass as a novel MEMS bonding material, Proceedings of the international conference on Micro Electro Mechanical Systems (MEMS 2011) , Jan. 23-27 (2011) pp. 509-512