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# **Combinatorial Thin Films**

Guest Editor:

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Deadline for manuscript submissions: closed (15 October 2018)

### Message from the Guest Editor

Dear Colleagues,

A combinatorial thin-film research laboratory (CTRL) was established at the NCKU in May, 2011. This is the first lab of its kind among the academic research community in Taiwan. Our manufacturing facilities include a high throughput DC/RF sputtering system and a thickness gradient spin coater. These tools enable both physical and chemical depositions for metal and oxide nanostructured composition spreads.

Piezophotocatalysis results from a close coupling of piezophototronics (semiconductors, piezoelectricity, and photonics) and photocatalysis. The piezophototronic effect is used to substantially enhance the photocatalytic efficiency by modulating the piezopotentials across functional materials to achieve synergistic catalytic performance. [...]

Keywords:

- combinatorial methodology
- piezophotocatalysis
- nanostructured materials

Prof. Dr. Kao-Shuo Chang *Guest Editor* 





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