



## Hybrid Electrostatic Actuator

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## The Invention

A hybrid electrostatic actuator for use in conjunction with microfluidic devices, microlenses, optical irises and flat panel displays is provided. The hybrid electrostatic actuator includes a substrate having an upper surface and an electrical conductor supported in spaced relation to the substrate. A fluid is received between the substrate and the electrical conductor. An electrostatic generator is configured to selectively apply a variable electrostatic force on the electrical conductor. The application of the variable electrostatic force on the electrical conductor displaces the fluid from between the substrate and the electrical conductor.

## Additional Information

### For More Information About the Inventors

- [Hongrui Jiang](#)

### Tech Fields

- [Analytical Instrumentation, Methods & Materials : Microfluidics](#)

For current licensing status, please contact Michael Carey at [mccarey@warf.org](mailto:mccarey@warf.org) or 608-960-9867