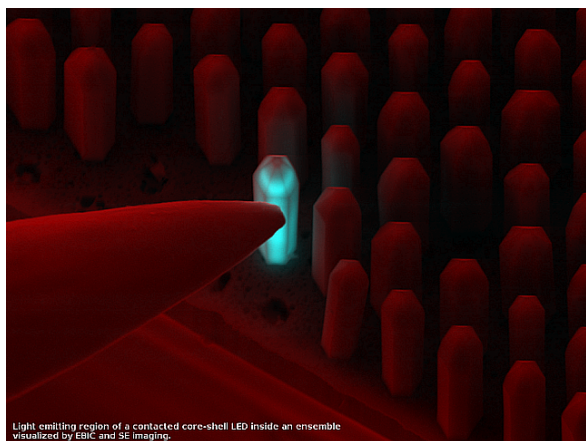
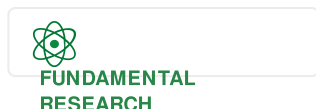


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## Just released: Video on the first chip sized optical microscope with super-resolution capabilities - ChipScope

The ChipScope project is developing the scientific and technological basis for a completely new approach to optical super resolution microscopy, with a resolution of less than 50 nm, based on semiconductor nano LED arrays with individual pixel control, which will lead to extreme miniaturization, simplicity and cost-effectiveness.



Light emitting region of a contacted core-shell LED inside an ensemble visualized by EBIC and SE Imaging.

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Watch the video here:

<https://youtu.be/pePTwFz1x8s> 


### Keywords

superresolution, optical microscope, diffraction, microscopeonchip

### Contributor

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[Website](#)

## Related projects



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## Overcoming the Limits of Diffraction with Superresolution Lighting on a Chip

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24 July 2023

PROJECT

**Last update:** 8 April 2019

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European Union, 2025