



Contribution ID: 620

Type: **Talk (preferred)**

## Optical voltage imaging with charge-coupled fluorescence of diamond colour-centres.

*Friday 16 December 2022 10:00 (15 minutes)*

Color center charge state specific fluorescence has the potential to be a powerful new tool for investigate the electrical response of biological systems. In this talk I will describe development and advantages of this technique.

**Author:** DONTSCHUK, Nikolai

**Co-authors:** STACEY, Alastair (RMIT University); Mr PATTINSON, Charlie (The University of Melbourne); MC-CLOSKEY, Daniel (The University of Melbourne); SIMPSON, David; JOHNSON, Hunter (The University of Melbourne School of Physics)

**Presenter:** DONTSCHUK, Nikolai

**Session Classification:** AIP: Condensed Matter, Materials and Surface Physics

**Track Classification:** AIP Congress: AIP: Condensed Matter, Materials and Surface Physics