

Oral Presentation

## [FMC2]Metrology and Manufacturing

Chair: K Käläntär (Global Optical Solutions)

Co-Chair: Toshiaki Nonaka (Merck Performance Materials)

Wed. Nov 27, 2019 3:20 PM - 4:40 PM Room 108 (1F)

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3:20 PM - 3:40 PM

### [FMC2-1(Invited)]Surface Strain Analysis of Bending Substrates for Design of Flexible Devices

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Keywords:Flexible, Foldable, Wearable, Strain, Bending

*Fracture and fatigue of bending flexible materials and devices prevent their commercialization. The problem is that quantitative understanding has not been explored on bending behavior. Here we report quantitative analysis of surface strain of bending substrates by a surface labeled grating method.*