

[IT-1. Electron optics and optical elements](#)

10 September, 16:45 - 18:45 / 11 September, 16:30 - 18:30

IT-1-P-1486

Magnetic monopole like fields and electron vortices

Presenting author: **Béché A.**

Authors: Béché A., Van Boxem R., Van Tendeloo G., Verbeeck J.

IT-1-P-1500

Measuring the Orbital Angular Momentum of Electron Vortex Beams in the TEM

Presenting author: **Guzzinati G.**

Authors: Guzzinati G., Clark L., Béché A., Verbeeck J.

IT-1-P-1541

Investigation of physical and chemical method to produce Möllenstedt electrostatic biprism for off-axis electron holography experiment

Presenting author: **Cours R.**

Authors: Cours R., Houdellier F.

IT-1-P-1672

Development of illumination system of a 1.2 MV Field Emission Transmission Electron Microscope

Presenting author: **Kawasaki T.**

Authors: Kawasaki T., Kasuya K., Furutsu T., Ono S., Arai M., Moriya N.

IT-1-P-1693

Measurement of current density distribution in shaped e-beam writers

Presenting author: **Horáček M.**

Authors: Horáček M., Bok J., Kolařík V., Urbánek M., Matějka M., Krátký S.

IT-1-P-1958

Quantitative measurement of the OAM spectra of electron vortex beams.

Presenting author: **Clark L.**

Authors: Clark L., Béché A., Guzzinati G., Verbeeck J.

IT-1-P-1961

Development of Phase Contrast Scanning Transmission Electron Microscopy

Presenting author: **Iijima H.**

Authors: Iijima H., Minoda M., Tamai T., Kondo Y., Hosokawa F.

IT-1-P-2090

Contrast enhancement of phase objects by using Phase Contrast Scanning Transmission Electron Microscopy

Presenting author: **Minoda H.**

Authors: Minoda H., Tamai T., Iijima H., Hosokawa F., Kondo Y.

IT-1-P-2198

The effect of Detector Thickness on Direct Detector Performance

Presenting author: **Clough R. N.**

Authors: Clough R. N., Moldovan G., Kim J. S., Kirkland A. I.

IT-1-P-2263

Maximising Phase Contrast in Aberration-corrected STEM using Pixelated Detectors

Presenting author: **Yang H.**

Authors: Yang H., Pennycook T. J., Nellist P. D.

IT-1-P-2325

AC- Voltage Operated Schottky Electron Source

Presenting author: **Yada K.**

Authors: Yada K., Saito Y.

IT-1-P-2346

Effects of dielectric substrate on localized surface plasmon in a silver nano-particle

Presenting author: **Fujiyoshi Y.**

Authors: Fujiyoshi Y., Nemoto T., Kurata H.

IT-1-P-2410

Thermal Emission Properties of GdB6 Cathode

Presenting author: **Saito Y.**

Authors: Saito Y., Yamagishi K., Yada K.

IT-1-P-2469

Electron differential phase microscopy with an A-B effect phase plate

Presenting author: **Tanji T.**

Authors: Tanji T., Ikeda U., Niimi H., Usukura J.

IT-1-P-2476

Effect of a phase plate on TEM imaging

Presenting author: **Edgcombe C. J.**

Authors: Edgcombe C. J.

IT-1-P-2510

Toward electron polarizers

Presenting author: **Grillo V.**

Authors: Grillo V., Karimi E., Balboni R., Gazzadi G. C., Frabboni S., Mafakheri E., Tang W. X., Boyd R. W.,

IT-1-P-2578

Design of a monochromator for aberration-corrected low-voltage (S)TEM

Presenting author: **Mukai M.**

Authors: Mukai M., Omoto K., Sasaki T., Kohno Y., Morishita S., Kimura A., Ikeda A., Somehara K., Sawada H., Kimoto K., Suenaga K.

IT-1-P-2604

Holographic generation of Electron quasi-Bessel beams

Presenting author: **Frabboni S.**

Authors: Frabboni S., Grillo V., Karimi E., Balboni R., Gazzadi G. C., Mafakheri E., Boyd R. W.,

IT-1-P-2685

Low Voltage Mini TEM

Presenting author: **Coufalová E.**

Authors: Coufalová E., Mynář M., Štěpán P., Drštička M., Sintorn I. M.,

IT-1-P-2688

Energy analyzer for point electron sources

Presenting author: **Kolařík V.**

Authors: Kolařík V., Coufalová E., Mynář M., Drštička M.

IT-1-P-2710

Spiral phase plates for electron vortices

Presenting author: **Béché A.**

Authors: Béché A., Winkler R., Planck H., Hofer F., Verbeeck J.

IT-1-P-2835

Projector lens and CCD camera distortions in a Hitachi HF-3300 TEM

Presenting author: **Hýtch M. J.**

Authors: Denneulin T., Gatel C., Houdellier F., Hýtch M. J.

IT-1-P-2975

Design and Characterization of a Single-Atom Electron Column

Presenting author: **Lin C. Y.**

Authors: Lin C. Y., Chang W. T., Hsu W. H., Lai W. C., Chen Y. S., Hwang I. S.

IT-1-P-2984

Wire corrector for aberration corrected electron optics

Presenting author: **Nishi R.**

Authors: Nishi R., Ito H., Hoque S.

IT-1-P-3022

Measuring the Orbital Angular Momentum of Electron Vortex Beams by Forked Grating

Presenting author: **Saitoh K.**

Authors: Saitoh K., Hasegawa Y., Hirakawa K., Tanaka N., Uchida M.

IT-1-P-3222

Contrast enhancement in TEM imaging by use of a central beam stop

Presenting author: **Zandbergen H.**

Authors: Zandbergen H., Xu Q.

IT-1-P-6004

Determination of geometrical form factor of emitter from Schottky plot

Presenting author: **Murata H.**

Authors: Emura Y., Murata H., Rokuta E., Shimoyama H., Yasuda H., Haraguchi T.

IT-1-P-6020

Design and realisation of variable C shaped structured illumination

Presenting author: **Mousley M.**

Authors: Mousley M., Thirunavukkarasu G., Babiker M., Yuan J.