



MOC2017
Tokyo, Japan



The 22nd Microoptics Conference

This is to certify that
the Program Committee has presented

The MOC Student Award

to

Hameeda Ragab Ibrahim

for the excellent paper entitled "Design of 100Gbps Double
Transverse Coupled Cavity VCSELs".

In witness whereof this twenty-second day of November 2017

岩本 敏

Satoshi Iwamoto
Conference Co-chair

山下 真司

Shinji Yamashita
Conference Co-chair

杉原 英浩

Okihiro Sugihara
Program Co-chair

高橋 浩

Hiroshi Takahashi
Program Co-chair