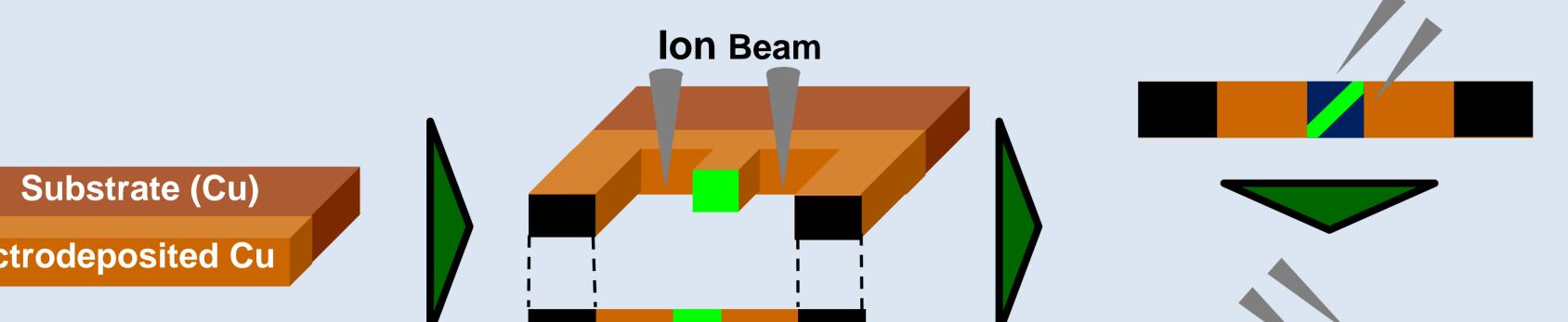


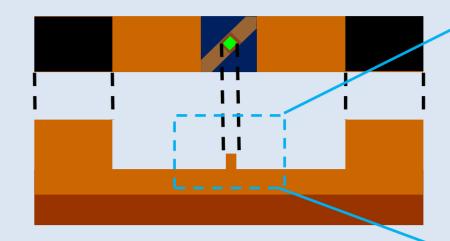
## Micro compression test using non-tapered micro-pillars of electrodeposited Cu

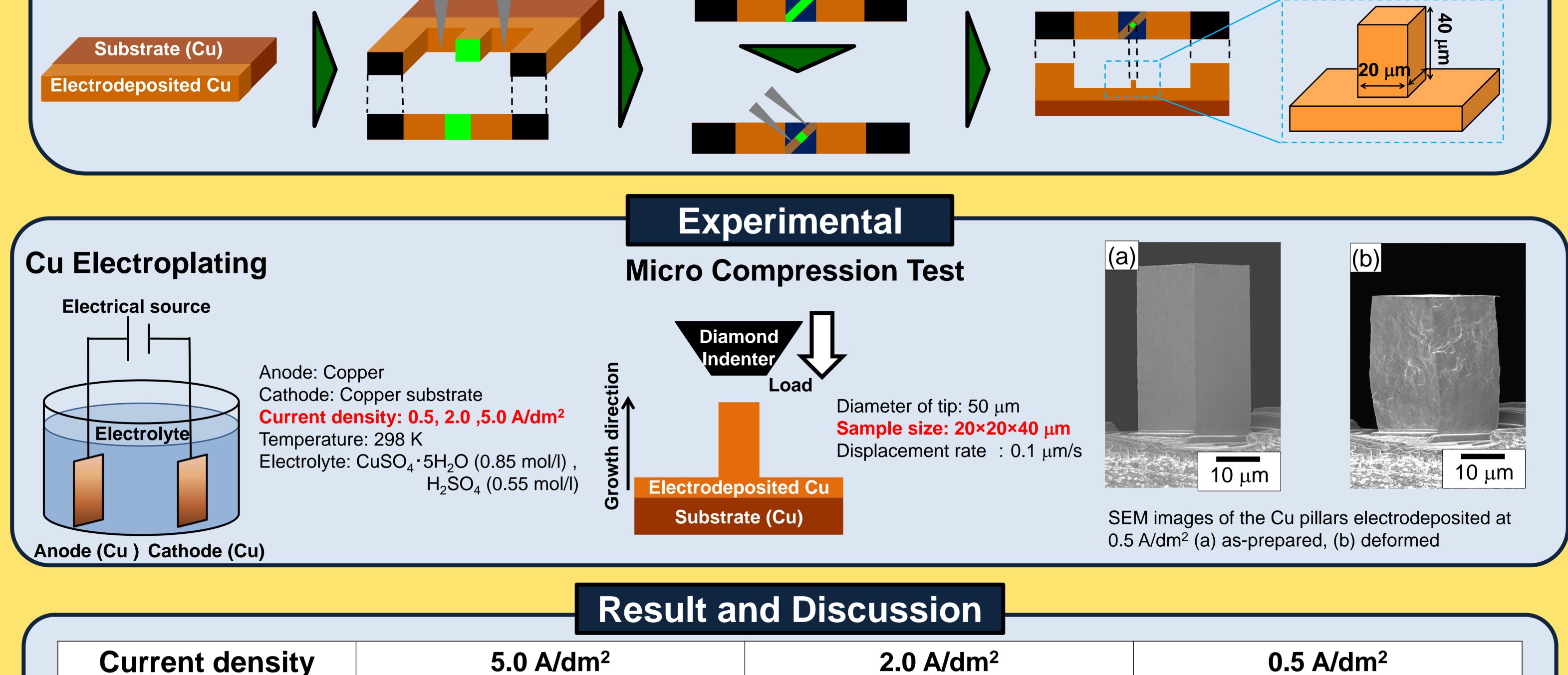
Masahide Mutoh, Takashi Nagoshi, Tso-Fu Mark Chang, Tatsuo Sato, Masato Sone Precision & Intelligence Laboratory, Tokyo Institute of Technology, Japan

## Introduction

New evaluation method of electrodeposited Cu film for application in MEMS devices Fabrication of Micro-Pillar specimen using Focused Ion Beam



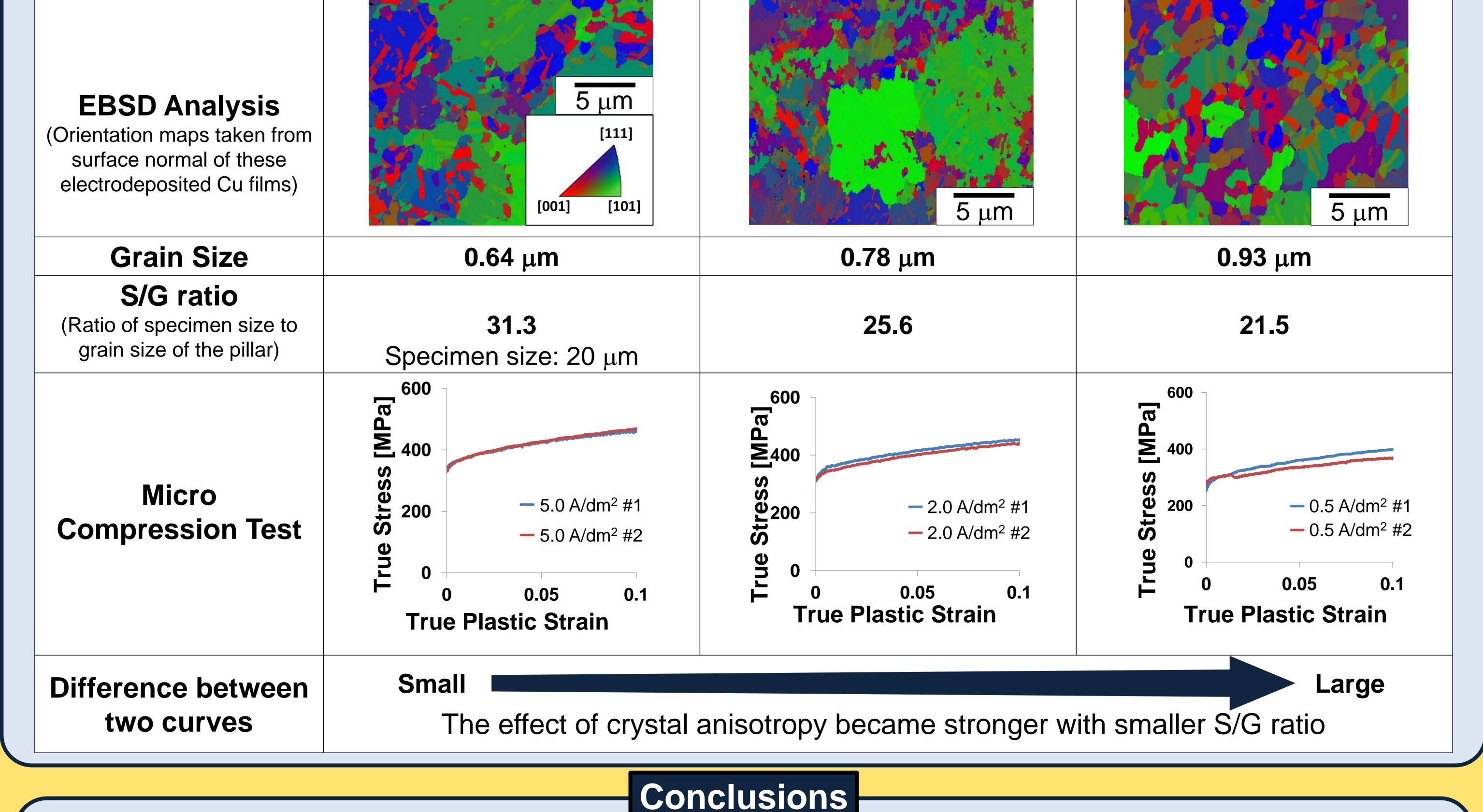












1. The mechanical property of the electrodeposited Cu films were precisely evaluated using this new method.

2. Effect of crystal anisotropy is stronger with higher ratio between specimen size and grain size of pillar

3. The pillar electrodeposited at higher current density has higher strength because Cu film electrodeposited at higher current density has smaller grain.

## Acknowledgement

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