

## 若手の方が2.5次元プロジェクトから学べる と思うこと ～海外研究者の視点から～



山口 尚登  
Hisato  
YAMAGUCHI

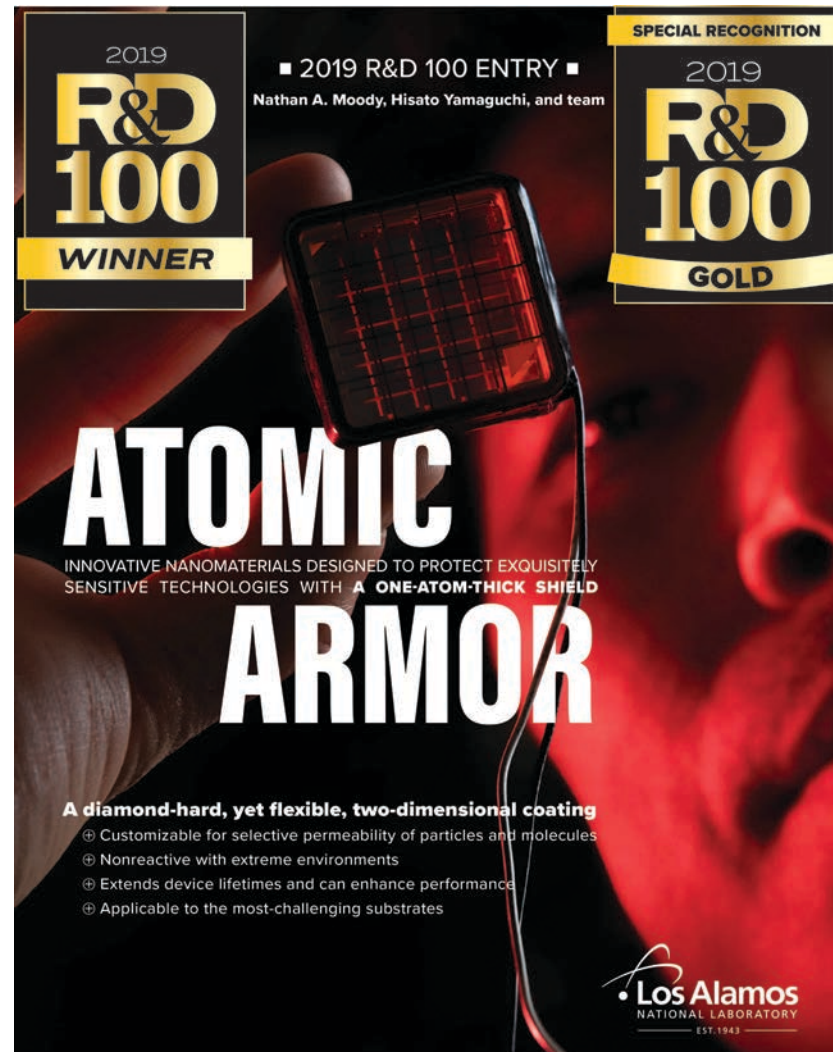
Los Alamos  
National Laboratory

**July 27, 2022, 13:00 PM (JST)**

Zoom Meeting

Photos courtesy of Los Alamos National Laboratory.

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2019 R&D 100 WINNER

2019 R&D 100 ENTRY  
Nathan A. Moody, Hisato Yamaguchi, and team

SPECIAL RECOGNITION  
2019 R&D 100 GOLD

# ATOMIC ARMOR

INNOVATIVE NANOMATERIALS DESIGNED TO PROTECT EXQUISITELY SENSITIVE TECHNOLOGIES WITH A ONE-ATOM-THICK SHIELD

**A diamond-hard, yet flexible, two-dimensional coating**

- ⊕ Customizable for selective permeability of particles and molecules
- ⊕ Nonreactive with extreme environments
- ⊕ Extends device lifetimes and can enhance performance
- ⊕ Applicable to the most-challenging substrates

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