ABSTRACT

Co-hosted by the Penn State Nanofabrication Facility and the 2D Crystal Consortium – Materials Innovation Platform user facility, the Scalable Nanomanufacturing of Complex Materials REU program has provided undergraduate students with an opportunity to work on next-generation materials and devices that will underpin the future of microelectronics research and also participate in focused professional development and mentoring program. As industry projects, the end of Moore’s law in terms of device scaling, “More than Moore” approaches which utilize new materials to enable new functionalities will become increasingly critical. This National Science Foundation-funded REU site enables students to work in the field of advanced nanomanufacturing.

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