

“Precise Chemical, Physical, & Electronic Nanoscale Contacts”

The chemical, physical, and electronic connections that materials make to one another and to the outside world are critical. Just as the properties and applications of conventional semiconductor devices depend on these contacts, so do nanomaterials, many nanoscale measurements, and devices of the future. We discuss the important role that chemistry can play in making and optimizing precise contacts that preserve key transport and other properties. Initial nanoscale connections and measurements guide the path to future opportunities and challenges ahead. Band alignment and minimally disruptive connections are both targets and can be characterized in both experiment and theory.

Colloquium

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Friday
April 29th
2:00 pm

1315 Seminar Hall
Chemistry

Hosted by Prof. Robert Hamers &
Prof. Bassam Shkhashiri