

2009 Junior Faculty Distinctions

Pictured left to right:

ONR Young Investigator Award
Andrea Armani, assistant professor
Mork Family Department of Chemical
Engineering and Materials Science

NSF Career Award
Stephen Cronin, assistant professor
Hsieh Department of Electrical Engineering

NSF Career Award
Hossein Hashemi, assistant professor
Hsieh Department of Electrical Engineering

Sloan Fellowship
David Kempe, assistant professor
Department of Computer Science





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Andrea Armani

ONR Young Investigator Award winner Andrea Armani, an assistant professor in the Mork Family Department of Chemical Engineering and Materials Science, is designing a low-power portable biosensor to distinguish different microorganisms as a preventive medicine tool.

Stephen Cronin

NSF Career Award winner Stephen Cronin, an assistant professor in the Hsieh Department of Electrical Engineering, is a specialist in employing nanostructures, both carbon cylinders and metal wires, for a broad range of possible applications, from bio-sensors to Micro-Electro-Mechanical Systems (MEMS) devices.

Hossein Hashemi

NSF Career Award winner Hossein Hashemi, an assistant professor in the Hsieh Department of Electrical Engineering creates novel compact circuits that can both broadcast and receive radio signals, with applications ranging from auto safety to medical imaging.

David Kempe

Sloan Fellowship winner David Kempe, an assistant professor in the Department of Computer Science, studies social networks and their interactions, including algorithms designed to minimize or maximize the spread of information via such networks.