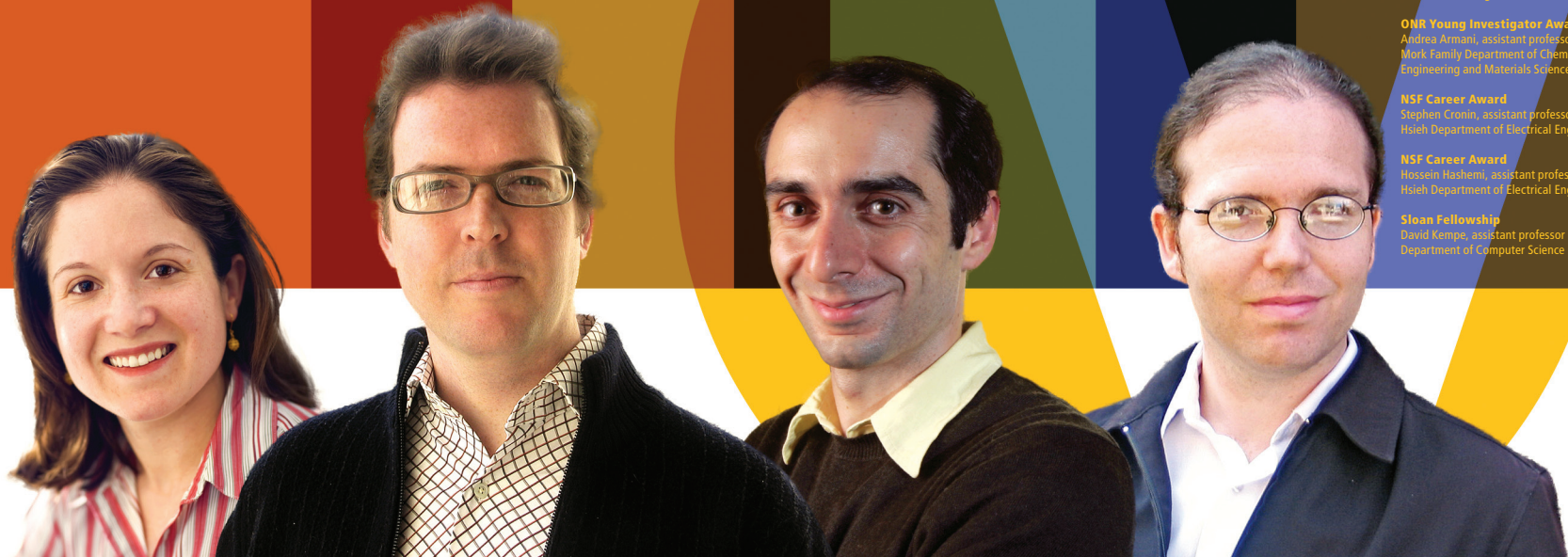


# 2009 Junior Faculty Distinctions



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 Kenpe, assistant professor  
Department of Computer Science



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## 2009 Junior Faculty Distinctions

### **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.