

UC SANTA BARBARA

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## **GLOBAL COMMUNICATIONS NETWORKS TO BE ADDRESSED BY EXPERT FROM NOKIA RESEARCH CENTER**

Distinguished lecturer Charles E. Perkins will present the talk, "Recent Developments with Mobile Ipv6," on the future of global communications networks, as part of UCSB's Department of Computer Science Distinguished Lecturers in Computer Science Series. The presentation begins at 3:00 p.m., Wednesday, October 24, 2001, in Computer Science trailer 932. Admission is free, but space is limited and seating will be available on a first-come, first-served basis.

In his talk, Perkins will explain that one of the chief challenges for the global Internet is simply to enable it to grow to the size needed to support all the wireless network nodes of the future. "IPv6," the next generation of "Internet Protocol" is the most likely contender to provide the needed network-layer interconnection, according to Elizabeth Belding-Royer, assistant professor of computer science at UCSB and faculty sponsor of the talk.

Perkins is a Nokia Fellow in the Communication Systems Laboratory at Nokia Research Center, investigating mobile wireless networking and dynamic configuration protocols. He is the editor of several professional journals, both for the Association of Computing Machinery (ACM) and Institute of Electrical and Electronic

Engineers (IEEE) in areas related to wireless networking. He currently serves as document editor for the mobile-IP working group of the Internet Engineering Task Force (IETF), and is author or co-author of standards-track documents in the mobileip, manet, IPv6, and dhc (Dynamic Host Configuration) working groups. Perkins has served on the Internet Architecture Board (IAB) of the IETF and on various committees for the National Research Council. He is associate editor for Mobile Communications and Computing Review, the official publication of ACM SIGMOBILE, and is on the editorial staff for IEEE Internet Computing magazine. Perkins has authored and edited books on Mobile IP and Ad Hoc Networking, and has published a number of papers and award-winning articles in the areas of mobile networking, ad-hoc networking, route optimization for mobile networking, resource discovery, and automatic configuration for mobile computers.

For more information on the Department of Computer Science colloquia, contact the Department of Computer Science, University of California, Santa Barbara, 893-6118 or see: <http://www.cs.ucsb.edu/research/colloquia>.

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## **About UC Santa Barbara**

The University of California, Santa Barbara is a leading research institution that also provides a comprehensive liberal arts learning experience. Our academic community of faculty, students, and staff is characterized by a culture of interdisciplinary collaboration that is responsive to the needs of our multicultural and global society. All of this takes place within a living and learning environment like no other, as we draw inspiration from the beauty and resources of our extraordinary location at the edge of the Pacific Ocean.