

**Call for Participation**  
**Kickoff Workshop**  
**NSF Research Coordination Network on Millimeter Wave Wireless Research**  
**Catholic University of America**  
**Washington DC, Dec 7-8, 2016**  
**RCN website: <https://mmwrcn.ece.wisc.edu>**

This research coordination network (RCN) spans the important and timely area of millimeter-wave (mmW) wireless that is the focus of intense current research in academia and industry for achieving multi-Gigabit data rates and low latency as part of the emerging vision for 5G wireless networks and beyond. The research and development of mmW wireless is driven by innovations in three key areas:

- 1) communication and signal processing techniques;
- 2) mmW hardware, circuits, antennas, and digital hardware; and
- 3) wireless networking

along with mmW prototypes and testbeds. While there is significant ongoing research in all these areas, it is happening in relative isolation in the respective domains. There is a growing realization that harnessing the full potential of mmW wireless technology will require a coordinated approach that facilitates cross-fertilization of research advances in the various areas as well as across industry, academia and government agencies. This RCN project is aimed at filling this gap and will bring academic and industrial researchers as well as stakeholders from the US government agencies to facilitate cross-fertilization of ideas, identification of challenges and strategies to address them, and to guide and accelerate the development and maturation of mmW wireless technology and standards. The RCN is led by the University of Wisconsin and includes a steering committee (SC) of sixteen leading researchers in the area of mmW wireless technology from academia and industry, including international representatives.

**Kickoff Workshop:** A key mechanism for interaction between RCN members and participants from the wider research community will be through annual workshops in the Fall and Spring. The kickoff workshop will be held in Washington, DC. The one-and-half-day workshop program will include short presentations and posters from members of the research community as well as panel discussions on timely topics of relevance to ongoing mmW research and development. In addition to the SC members, participants from the wider mmW research community are expected and encouraged to attend.

**White paper:** As a pre-requisite for workshop attendance, prospective participants are invited to submit a one-page white paper outlining their research plans and new directions relevant to mmW wireless, including a brief description of their background in the area. White papers emphasizing cross-fertilization across the research areas are encouraged. Postdoctoral researchers in early stages of their career as well as researchers from under-represented groups are also encouraged to submit. The white papers should be sent to [mmwrcn@ece.wisc.edu](mailto:mmwrcn@ece.wisc.edu). Limited funding is available to support the cost of attending the workshop for academic researchers, including a few international participants. Please indicate in your white paper if you will be unable to attend this workshop without travel support.

**Important Deadlines:**

~~October 17, 2016:~~ **October 21, 2016: one-page white paper submission (Deadline extension)**

October 28, 2016: notification of selection

November 8, 2016: workshop registration deadline

November 15, 2016: travel arrangement deadline (for reimbursed attendees)

**Organizers:**

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