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[October Seminar: Tuesday, October 20th @ 6:00 PM](#)

A Brief History of Broadcast Communications in the United States

Mike¹ and Ian² McInerney

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²Iowa State University, Ames, IA

Date: Tuesday, October 20th, 2015

Time: 5:45 PM - 8:00 PM

Location: University of Illinois

[5070 Electrical Engineering Building](#)

306 N. Wright St.

Urbana, IL 61801

Agenda

5:45 - 6:15 PM: Sign-in and Meet & Greet (Refreshments provided)

6:15 - 7:45 PM: Seminar Talk by Mike McInerney

7:45 - 8:00 PM: Wrap-up

8:00 PM: Meeting End

Organizer: Tim O'Connell, CILS Chair

For questions, contact Tim O'Connell <tim.oconnell@ieee.org>

Abstract:

Commercial radio broadcasting began in 1920 at KDKA, Pittsburgh. We will trace broadcast radio's history through the decades, from ground-based to satellite-based to web-based. We will discuss not only the effects of radio on culture and culture on radio, but also the effects of technology on radio; beginning with spark gaps and crystal detectors, through vacuum tubes and transistors to microprocessors. This is a (mostly) non-technical presentation, filled with pictures, and audience participation is encouraged.

About the speaker:

Michael McInerney:

Mike has eclectic interests. Thus he has a job as an Electrical Engineer (not a career). His experience relevant to this presentation includes; working as a DJ and as an engineer at broadcast radio stations, and having both an FCC telecommunications license and an amateur radio license.

Mr. McInerney is a senior researcher at the Construction Engineering Research Laboratory in Champaign. His primary research areas include electromagnetic compatibility (EMC), electrical systems, and corrosion prevention and control. He has more than 50 publications, five patents, has participated in the development of eight IEEE and military standards, and is vice chairman of the High Power Electromagnetics technical committee of the IEEE EMC Society. Mr. McInerney is an IEEE Senior Member, a Registered Professional Engineer and an INARTE Certified EMC Engineer.

Ian McInerney:

Ian is a graduate student in ECE (control systems) at Iowa State University, is an IEEE student member and holds an amateur radio license. Ian is Mike's son, and he helped Mike prepare the presentation. He will not be presenting, but Mike wanted to note his contribution.

Directions:

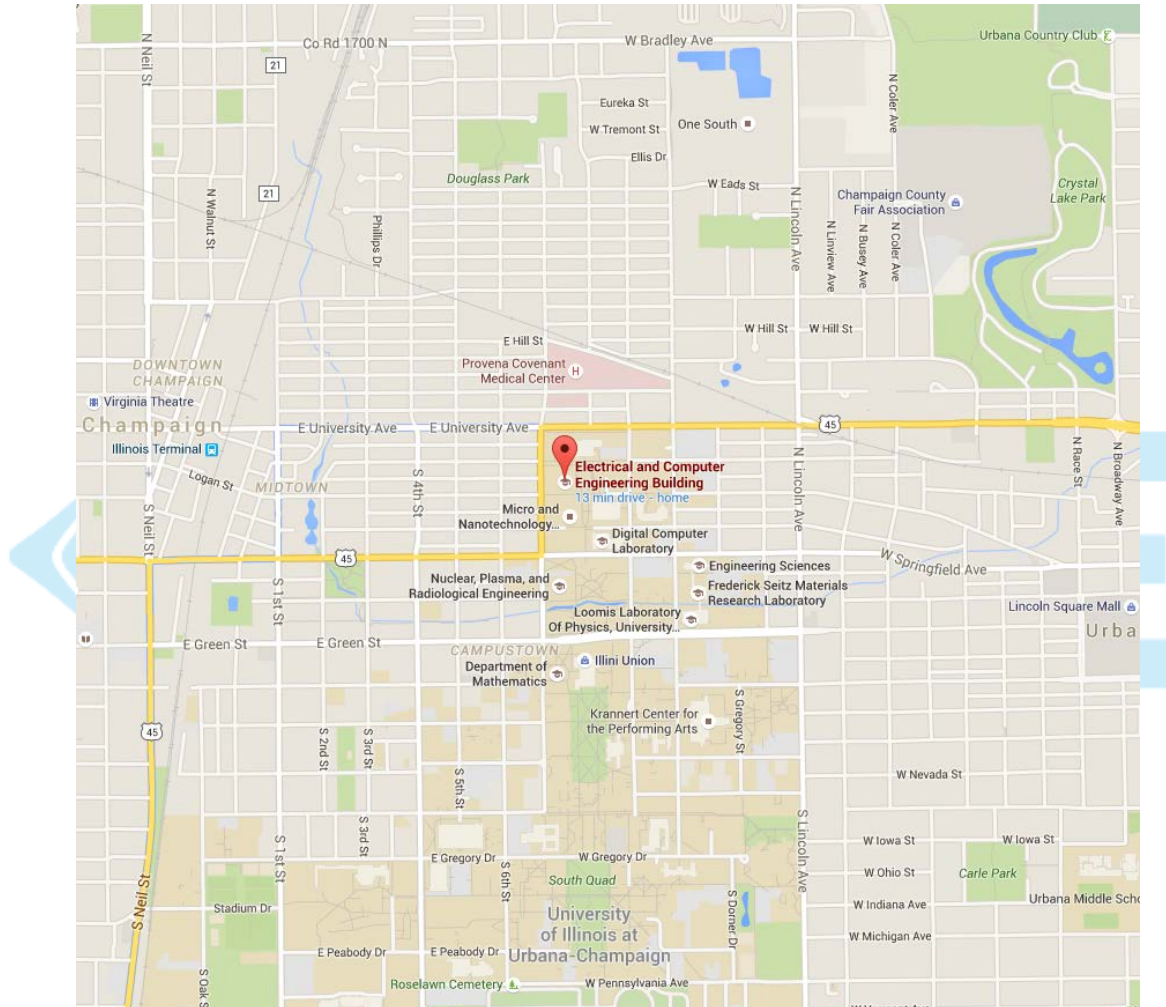
[Traveling to Champaign-Urbana via I-74]

Take Exit 183 (Lincoln Ave) to Lincoln Ave

Go South on Lincoln Ave to University Avenue (US 45 / US 150)

Go West on University Avenue to S. Wright St.

Go South on S. Wright St., and the ECEB will be on the left. Parking is available on the street and in nearby parking garage.



Google Maps

[ECE Building Map](#) (Room 5070 is on the 5th floor in the corner)

Click the link below or the full agenda and registration information:

[October 20th IEEE CILS Meeting Registration](#)

**** Refreshments will be provided ****



IEEE Central Illinois Section (CILS)
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