



**WITS AND THE INFORMATION THEORY SOCIETY CHAPTER OF THE SA IEEE SECTION CORDIALLY INVITES YOU TO A PRESENTATION BY PROF. A.J. HAN VINCK, UNIVERSITY OF DUISBURG-ESSEN, GERMANY**

**Date:** 6 October 2017 (Friday)  
**Time:** 10:30 – 12:30  
**Venue:** Common Room, School of Electrical and Information Engineering, Chamber of Mines Building, University of the Witwatersrand, 1 Jan Smuts Avenue, Braamfontein Johannesburg  
**RSVP Contact:** Wendy Smith : wendys@uj.ac.za by 4 October 2017

**Programme:**

|               |                                      |
|---------------|--------------------------------------|
| 10:30 – 11:00 | INFORMAL DISCUSSION (TEA, COFFEE)    |
| 11:00 – 12:00 | PRESENTATION: PROF. A.J. HAN VINCK   |
| 12:00 – 12:30 | FINGER LUNCH AND FURTHER DISCUSSIONS |

*Title*

Kees Schouhamer Immink, IEEE Medal of Honor 2017

*Abstract*

We introduce Kees Schouhamer Immink, Dr.h.c. at the University of Johannesburg. We will explain one of his famous recording contributions, the constrained (2,10) EFM code for the CD. After that we consider some of our own Run Length Limited codes for coded modulation using FSK with feedback.

*Biography: A.J. Han Vinck*

Prof. Adrianus J. Han Vinck is a full professor in Digital Communications at the University of Duisburg-Essen, Germany, since 1990, specialising in Information and Communication theory, Coding and Network aspects in digital communications. He has held positions of professional responsibility including the Director of the Institute for Experimental Mathematics in Essen, founding Chairman of the IEEE German Information Theory chapter, President of the IEEE Information theory Society (2003), President of the Shannon Leibniz and Gauß foundations for the stimulation of research in the field of Information Theory and Digital Communications and is an IEEE Fellow.

He has received a number of accolades including the election by the IEEE as Fellow for his “Contributions to Coding Techniques”, appointed as Distinguished Lecturer for the Information Theory Society as well as for the Communications Society of the IEEE, the IEEE ISPLC 2006 Achievement award for contributions to Power Line Communications. He received the SAIEE annual award for the best paper published in the SAIEE Africa Research Journal in 2008 and the 2015 Aaron D. Wyner Distinguished Service Award for longstanding contributions to the IEEE Information Theory society. He has been instrumental in the organisation of research forums including the IEEE Information Theory workshops and symposia, Japan-Benelux workshops on Information theory (now Asia-Europe workshop on “Concepts in Information Theory”) and the International Winter School on Coding, Cryptography and Information theory in Europe.

### Venue Map

