

# Editor's Introduction to Multimedia

## Section—Group I

Group I of this section has four contributions, listed below:

First, we begin by a fascinating historical review of Hertz, generated by Werner Wiesbeck (Wiesbeck-MUL-2014-01-002 The Birth of Antennas in Europe) of Karlsruhe, where Hertz had his Lab and did many of the original experiments. Wiesbeck used these slides for a plenary talk at the iWAT'13 workshop held in Karlsruhe last year.

Next, we have a write-up from John Mathews (Mathews-MUL-2014-01-003 From Appleton to Arecibo and Beyond) on the history of Aerocibo observatory in Puerto Rico, based on an invited talk he gave on the occasion of the 50th anniversary of the observatory. (Note: FERMAT will publish a follow-on talk by Anthony Ferraro in a future issue, on some ionosphere heating experiments carried out by Ferraro and his team at Aerocibo. Ferraro was also an invited speaker at the Aerocibo anniversary meeting.)

Following the above two, we move to the topic of High Power Electromagnetics, whose history can be traced back to the height of cold war when the area of EMP hardening was very active. What is interesting that we are seeing a revival of this area in recent years, because of the threat of the so-called 'asymmetric war,' and to put all of this in perspective we have a contribution from Dave Giri, who recently gave a plenary talk by using slides he has included in his presentation (Giri-MUL-2014-01-004 High-Power Electromagnetics (HPEM)).

Finally, we fast forward to a relatively contemporary topic, namely Terahertz technology, which is garnering much attention in our community at present. Goutam Chattopadhyaya covers this topic in his presentation (Chattopadhyaya-MUL-2014-01-005 Terahertz Technology and Applications) to bring us up-to-date on what's happening in this up-and-coming area.

Readers' comments on all of these four contributions are cordially welcome.