# 『清华信息大讲堂』 第 59 讲

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| 报告题目： | **Invisible Traces in Pixels and Bits** | |
| 报 告 人： | **Prof. Wu Min** | |
| | University of Maryland, College Park, USA | |
| 报告时间： | 2010-9-21，9:30-11:00 | |
| 报告地点： | FIT 1-312 | |

## Abstract：

Technology advancement and widespread use of digital imaging devices have brought about a number of forensic and provenance questions, including by what device an image was generated; where an image was from; what has been done on the image since its creation, by whom, when and how. Invisible traces are being explored by the technical community to manage and protect multimedia information and devices in the digital era. This talk will discuss some recent research carried out by our Media and Security Team (MAST) at University of Maryland to empower Sherlock Holmes in the Digital Era. I will also discuss recent activities and opportunities from the IEEE and Signal Processing Society in the areas of information forensics and multimedia security..

## Biography:

Dr. Min Wu received the B.E. degree in electrical engineering (Automation) and the B.A. degree in economics in 1996 from Tsinghua University in Beijing, China (both with the highest honors), and the Ph.D. degree in electrical engineering from Princeton University in 2001. Since 2001, she has been with University of Maryland, College Park, where she is currently an Associate Professor. Dr. Wu leads the Media and Security Team (MAST) at University of Maryland, with main research interests on information security and forensics and multimedia signal processing. She has co-authored two books and holds five U.S. patents on multimedia security and communications. She is a co-recipient of two Best Paper Awards from the IEEE Signal Processing Society and EURASIP, respectively. She also received a NSF CAREER award in 2002, a TR100 Young Innovator Award from the MIT Technology Review Magazine in 2004, an ONR Young Investigator Award in 2005, a Computer World "40 Under 40" IT Innovator Award in 2007, and an IEEE Mac Van Valkenburg Early Career Teaching Award in 2009. She is currently serving as Vice President - Finance of the IEEE Signal Processing Society, Secretary of the IEEE Technical Committee on Information Forensics and Security, Co-Chair of the Security Interest Group of the IEEE Multimedia Communications Technical Committee, and on the editorial boards of several journals. [URL:

http://www.ece.umd.edu/~minwu/]

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