Richardson, Iain E. *The H.264 Advanced Video Compression Standard*. West Sussex, United Kingdom: Wiley Publishing, 2010, 316 pp. $120.00 (Hardbound).

H.264 Advanced Video Coding or MPEG-4 Part 10 is fundamental to a growing range of markets such as high definition broadcasting, internet video sharing, mobile video and digital surveillance. This second edition of the *H.264 Advanced Video Compression Standard* reflects the growing importance and implementation of H.264 video technology. Offering a detailed overview of the system, it explains the syntax, tools and features of H.264 and equips readers with practical advice on how to get the most out of the standard.

- Packed with clear examples and illustrations to explain H.264 technology in an accessible and practical way.

- Covers basic video coding concepts, video formats and visual quality.

- Explains how to measure and optimise the performance of H.264 and how to balance bitrate, computation and video quality.

- Analyses recent work on scalable and multi-view versions of H.264, case studies of H.264 codecs and new technological developments such as the popular High Profile extensions.

- An invaluable companion for developers, broadcasters, system integrators, academics and students who want to master burgeoning state-of-the-art technology.

Professor Iain Richardson is an internationally known expert on the MPEG and H.264 video compression standards.

The author of *H.264 and MPEG-4 Video Compression*, a widely cited work in the research literature, Professor Richardson has written two further books and over 70 journal and conference papers on video compression. He regularly advises companies on video compression technology, video coding patents and company acquisitions in the video coding industry. Professor Richardson leads an internationally renowned video coding research team, contributes to the MPEG industry standards group and is sought after as an expert witness. Based in Aberdeen, Scotland, he regularly travels to the US and Europe.