

Essentials of Cognitive Radio

Doyle, Linda E. *Essentials of Cognitive Radio* New York, NY: Cambridge University Press, 2009, 234 pp. \$65.00 (Hardbound).

Do you need to get up-to-speed quickly on cognitive radio? This concise, practical guide presents the key concepts and challenges you need to know about, including issues associated with security, regulation, and designing and building cognitive radios. Written in a descriptive style and using minimum mathematics, complex ideas are made easily understandable, providing you with a perfect introduction to the technology, and preparing you to face its many future challenges.

- A descriptive style and minimum mathematics make complex ideas easy to understand.
- Includes both technical and regulatory challenges that are essential to the development of cognitive radio.
- Identifies the core concepts that will remain central to the field irrespective of how the technology develops.

Linda E. Doyle is an Associate Professor at Trinity College Dublin, Ireland. She leads a large research group in the Centre for Telecommunications Value-chain Research (CTVR). CTVR focuses on the design of future telecommunications networks and systems, and Professor Doyle's research focuses on wireless networking, cognitive radio, reconfigurable networks, dynamic spectrum access networks and spectrum management techniques. The research involves both theoretical and experimental aspects. Professor Doyle is also Vice-Chair of the Technical Committee on Cognitive Networks (TCCN) Society.