## Chapter 01

## Introduction

Copyright © 2014 2014, 2009, 2004, 1999 Elsevier Inc. All rights reserved.

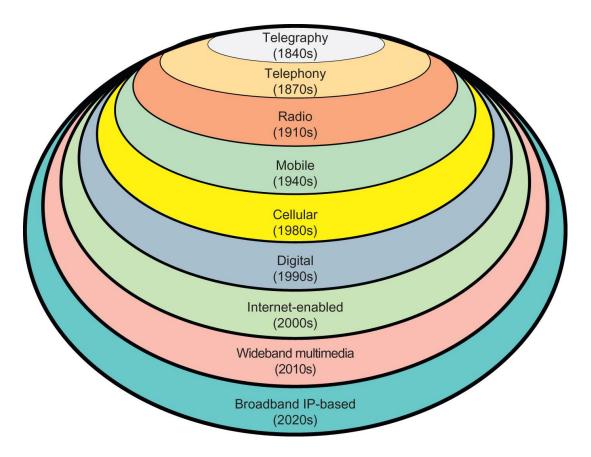


FIGURE 1.1 Evolution of telecommunications with a focus on mobile communications.

Copyright © 2014 2014, 2009, 2004, 1999 Elsevier Inc. All rights reserved.

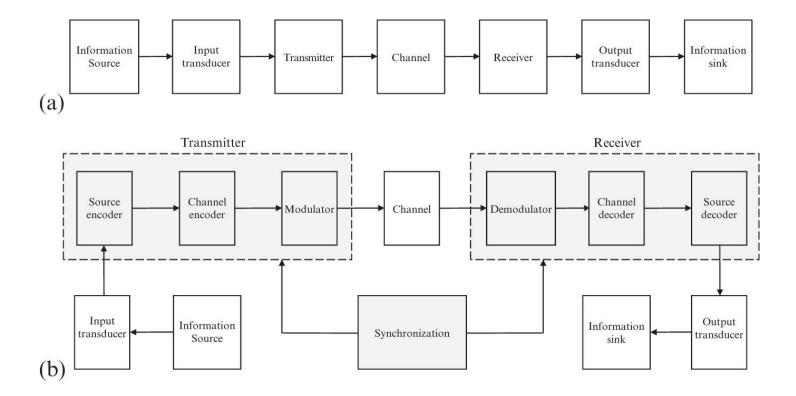


FIGURE 1.2 Block diagrams: (a) a communication system and (b) a digital communication system.