

# Wireless Sensor Networks

## Concepts, Applications, Experimentation and Analysis

1. Front Matter  
Pages i-xxxi

[PDF](#)

---

### 2. WSNs Concepts and Applications

1. Front Matter  
Pages 1-1

[PDF](#)

---

### 2. [Introduction](#)

Hossam Mahmoud Ahmad Fahmy  
Pages 3-53

---

### 3. [Protocol Stack of WSNs](#)

Hossam Mahmoud Ahmad Fahmy  
Pages 55-68

---

### 4. [WSNs Applications](#)

Hossam Mahmoud Ahmad Fahmy  
Pages 69-213

---

### 5. [Transport Protocols for WSNs](#)

Hossam Mahmoud Ahmad Fahmy  
Pages 215-247

---

### 3. WSNs Experimentation and Analysis

1. Front Matter  
Pages 249-249

[PDF](#)

---

2. [Testbeds for WSNs](#)

Hossam Mahmoud Ahmad Fahmy

Pages 251-379

---

3. [Simulators and Emulators for WSNs](#)

Hossam Mahmoud Ahmad Fahmy

Pages 381-491

---

4. **WSNs Manufacturers and Datasheets**

1. Front Matter

Pages 493-493

[PDF](#)

---

2. [WSNs Manufacturers](#)

Hossam Mahmoud Ahmad Fahmy

Pages 495-509

---

3. [Datasheets](#)

Hossam Mahmoud Ahmad Fahmy

Pages 511-604

---

5. **Takeoff**

1. Front Matter

Pages 605-605

[PDF](#)

---

2. [Last Reminders](#)

Hossam Mahmoud Ahmad Fahmy

Pages 607-608

---

6. Back Matter

Pages 609-614

---

