

Academia Tehnica Militara

Master ***SECURITATEA TEHNOLOGIEI INFORMATIEI***

Curs

Securitatea sistemelor electronice de plati

Prof. Dr. **Victor-Valeriu PATRICIU**



Course Syllabus

Part 1- Cryptography for ePayment & eCommerce

Chapter 1: Payment Instruments

Chapter 2: ePayments Security Framework

Chapter 3: ePayments Regulations

Chapter 4: Cards & Smart-cards architecture & software

Part 2- ePayments based on Bank Cards and eMoney

Chapter 5: Chipcard EMV Standards

Chapter 6: Internet ePayment Based on Bank Cards

Chapter 7: ePayments Based on Electronic Cash (Currency, Micro)

Chapter 8: ePayments Based on Electronic Purse

Chapter 9: Crypto Currency- Bitcoin



Course Schedule

| Data | Tema | Persoana |
|-----------------------------|--|---------------------------------|
| S: 09.03.2019 | Chapter 1: Payment Instruments Chapter 2: <u>ePayments Security Framework</u> Chapter 3: <u>ePayments Regulations</u> Chapter 4: Cards & Smart-cards architecture & software | <u>Prof.dr.Victor PATRICIU</u> |
| V:08.03.2019 & D:10.03.2019 | <u>Programarea Java Card</u> | Prof. <u>Dr.ing.Mihai TOGAN</u> |
| S:16.03.2019 | <u>Sisteme de e-plata pe mobile</u> | <u>Conf.dr. Cristian TOMA</u> |
| D:17.03.2019 | <u>Sisteme de e-plata pe mobile</u> | <u>Conf.dr. Cristian TOMA</u> |
| Mi:20.03.2019& V:22.03.2019 | <u>Programarea Java Card</u> | Prof. <u>Dr.ing.Mihai TOGAN</u> |
| S:23.03.2019 | <u>Securitatea si expertiza cardurilor de plata</u> | Dr. Ing. Sorin CHITU |
| D:24.03.2019 | Chapter 5: <u>Chipcard EMV Standards</u> Chapter 6: Internet <u>ePayment Based on Bank Cards</u> Chapter 7: <u>ePayments Based on Electronic Cash</u> Chapter 8: <u>ePayments Based on Electronic Purse</u> Chapter 9: <u>Crypto Currency- Bitcoin</u> | <u>Prof.dr.Victor PATRICIU</u> |



Bibliography

Bibliography (in Romanian)

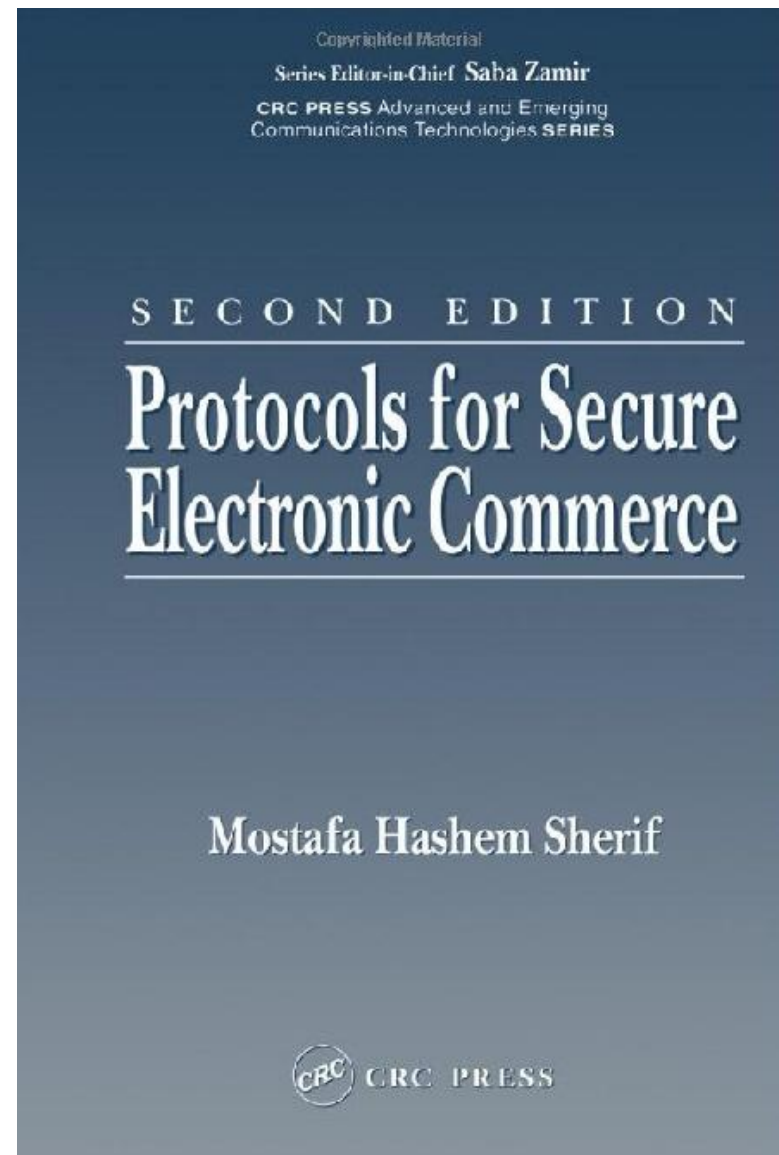
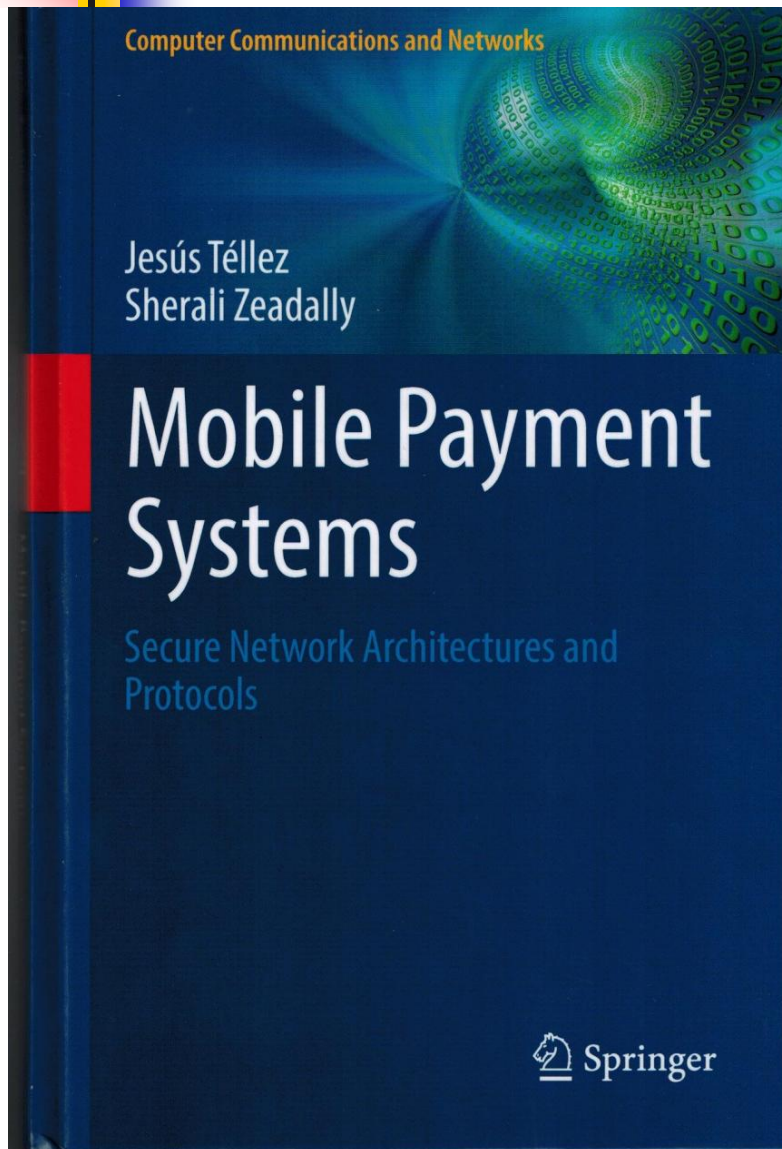
- **Patriciu V., Bica I.** "*Semnatura electronica si securitatea informatica*", Ed All, 2006
- **Patriciu V., Bica I.** "*Securitatea comertului electronic*", Ed All, 2001.
- **Patriciu V., VasIU I.** "*Internet-ul și dreptul*", Ed All, 1999.
- **Patriciu V.** "*Criptografia si securitatea retelelor de calculatoare*", ", Ed Tehnică, 1994

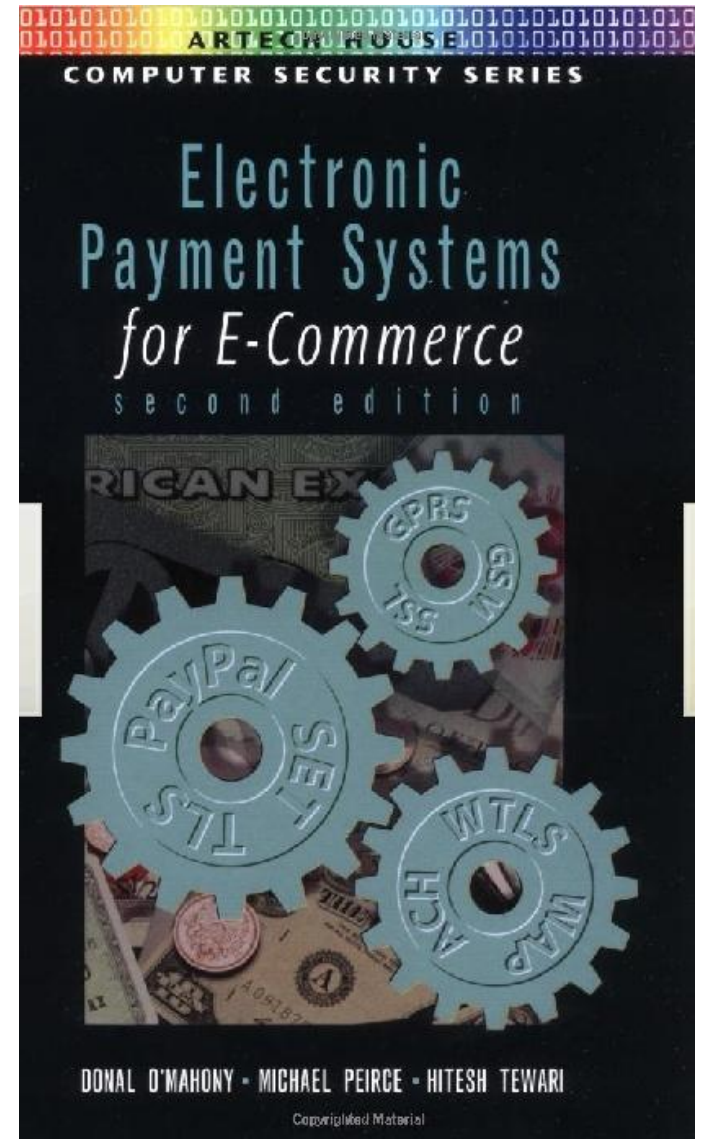
Bibliography (in English)

- **Tellez J, Zeadally S.**, "*Mobile Payment Systems* ", Springer, 2017.
- **Mostafa Hashem Sherif**, "*Protocols for Secure Electronic Commerce*", CRC Press, 2004.
- **Cristian Radu**, *Implementing Electronic Card Payment Systems*, Artech House Computer Security Series, 2003.
- **O'Mahony D.**, "*Electronic Payment Systems for E-Commerce*", Artech House, 2001.
- **Weidong Kou**, *Payment Technologies for E-Commerce*, Springer Verlag 2003.
- **Ford W.**, "*Secure Electronic Commerce*", Prentice Hall, 2001.



Bibliography







Bibliography

