1. Record Nr. UNINA9910427666703321

Titolo	Cognitive underwater acoustic networking techniques / / Dimitri Sotnik, Michael Goetz, Ivor Nissen, editors
Pubbl/distr/stampa	Berlin, Germany : , : Springer, , [2020] ©2020
ISBN	3-662-61658-0
Edizione	[2nd ed. 2020.]
Descrizione fisica	1 online resource (XI, 81 p. 25 illus. in color.)
Collana	SpringerBriefs in electrical and computer engineering
Disciplina	621.389
Soggetti	Underwater acoustic telemetry Ad hoc networks (Computer networks)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Overview and Definitions -- Distance estimation -- Data Muling -- Delay/Disruption Tolerant Networking -- Initial contact and JANUS -- Address assignment -- Adaptivity at the NET layer -- Adaptivity at the PHY layer -- Summary.
Sommario/riassunto	This book summarizes the latest research on cognitive network-layer methods and smart adaptive physical-layer methods in underwater networks. Underwater communication requires extendable and delay-tolerant underwater acoustic networks capable of supporting multiple frequency bands, data rates and transmission ranges. The book also discusses a suitable foreground communication stack for mixed mobile/static networks, a technology that requires adaptive physical layer waveforms and cognitive network strategies with underlying cooperative and non-cooperative robust processes. The goal is to arrive at a universally applicable standard in the area of Underwater Internet-of-Things [ISO/IEC 30140, 30142, 30143]. .

2. Record Nr. UNINA9910784912703321

Autore	Casimir H. B. G (Hendrik Brugt Gerhard), <1909-2000.>
Titolo	Haphazard reality [[electronic resource]] : half a century of science / / H.B.G. Casimir ; with a new preface by Frans Saris
Pubbl/distr/stampa	Amsterdam, : Amsterdam University Press, 2010
ISBN	90-485-1197-6
Descrizione fisica	1 online resource (375 p.)
Collana	Amsterdam Academic Archive
Altri autori (Persone)	SarisFrans
Disciplina	530.0924
Soggetti	Physicists - Netherlands Physics - History Technology - History
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. [343]-348) and index.
Nota di contenuto	Contents; Preface to the Series; Author's Preface; Introduction; 1. Family Background and Schooldays; 2. Development of Physics; 3. Early Years at Leiden; 4. Copenhagen; 5. Berlin, Zurich, and back to Leiden; 6. Low Temperatures; 7. War Times; 8. Holst and the Philips research Laboratory; 9. Industry and Science After the Second World War; 10. The Science-Technology Spiral; Appendix A; Appendix B; Appendix C; Bibliographical Notes; Index
Sommario/riassunto	Casimir, himself a famous physician, studied and worked with three great physicists of the twentieth century: Niels Bohr, Wolfgang Pauli and Paul Ehrenfest. In his autobiography, the brilliant theoretician lets the reader witness the revolution that led to quantum physics, whose influence on modern society turned out to be many times larger than the first atomic physicists could have imagined. Through his involvement in the technical-scientific and the business aspects of physics, through management positions at Philips Research Laboratory and as a member of the Board of Directors of Philips,