

## TABLE OF CONTENTS

<b>1. Complexity and Reform of Public Administration: <i>the Case of Portugal</i></b>	<b>19</b>
Abstract	19
1. Introduction	20
2. On the concepts of complexity and bureaucracy	20
3. A systemic model of complexity: 8 key dimensions	21
4. Complexity and Quality of Public Administration: Typology of Reforms	25
5. The Portuguese Case	28
6. Conclusions	31
<b>2. DESIS: Educating Healthcare Information Systems Professionals to deal with Hospital Complexity</b>	<b>37</b>
Abstract.	37
1. Introduction	38
2. Framework: Hospital Complexity Requires Highly Qualified People	41
3. Methods: The creation of a curricula for DESIS	42
4. Results: DESIS and the DESISnet-Network of HIS Professionals	45
5. Conclusions	46
<b>3. Survey on the Status of the Hospital Information Systems in Portugal</b>	<b>49</b>
Abstract	49
1. Introduction	50
2. Objectives and Research Methods	50
3. Survey Results	51
4. Portuguese HIS Maturity Level	52
5. Discussion	54
6. Conclusions: The pathway towards a “smart healthcare”	56

<b>4. Hospital Information Systems Integration Leadership Strategy for a Portuguese Central and University Hospital</b>	<b>61</b>
Abstract	61
1. Introduction	62
2. Materials and Methods: A Strategic Roadmap for HSM's HIS Strategy	63
3. System Selection and Implementation Leadership Strategy	64
4. First Project Results: The Roadmap and Integration	65
5. Conclusion	68
<b>5. HPC Telemedicine's Service Improves Access to Pediatric Cardiology in Central Portugal: Leadership, Organization and Training as Critical Success Factors – <i>People really Matter!</i></b>	<b>73</b>
Abstract	73
1. Introduction: Geography and Physicians' Shortage	74
2. Telemedicine Definition and Technology Readiness	76
3. Paediatric Cardiology HPC Case and Benefits Estimation	78
4. Discussion: The importance of Leadership, Organization and Training	80
5. Conclusions	82