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Nota di contenuto	Cover; Table of Contents; Title Page; Copyright; List of Figures; List of Tables; Preface; Chapter 1: Computer Fundamentals and Performance Evaluation; 1.1 Overview of Computer Systems; 1.2 Basic Structure of Computers; 1.3 Improving Computer Performance; 1.4 Hardware Description Languages; Exercises; Chapter 2: A Brief Introduction to Logic Circuits and Verilog HDL; 2.1 Logic Gates; 2.2 Logic Circuit Design in Verilog HDL; 2.3 CMOS Logic Gates; 2.4 Four Levels/Styles of Verilog HDL; 2.5 Combinational Circuit Design; 2.6 Sequential Circuit Design; Exercises Chapter 3: Computer Arithmetic Algorithms and Implementations3.1 Binary Integers; 3.2 Binary Addition and Subtraction; 3.3 Binary Multiplication Algorithms; 3.4 Binary Division Algorithms; 3.5 Binary Square Root Algorithms; Exercises; Chapter 4: Instruction Set Architecture and ALU Design; 4.1 Instruction Set Architecture; 4.2 MIPS Instruction Format and Registers; 4.3 MIPS Instructions and AsmSim Tool; 4.4 ALU Design; Exercises; Chapter 5: Single-Cycle CPU Design in Verilog HDL; 5.1 The Circuits Required for Executing an Instruction; 5.2 Register File Design 5.3 Single-Cycle CPU Datapath Design5.4 Single-Cycle CPU Control

Unit Design; 5.5 Test Program and Simulation Waveform; Exercises; Chapter 6: Exceptions and Interrupts Handling and Design in Verilog HDL; 6.1 Exceptions and Interrupts; 6.2 Design of CPU with Exception and Interrupt Mechanism; 6.3 The CPU Exception and Interrupt Tests; Exercises; Chapter 7: Multiple-Cycle CPU Design in Verilog HDL; 7.1 Dividing Instruction Execution into Several Clock Cycles; 7.2 Multiple-Cycle CPU Schematic and Verilog HDL Codes; 7.3 Multiple-Cycle CPU Control Unit Design; 7.4 Memory and Test Program ExercisesChapter 8: Design of Pipelined CPU with Precise Interrupt in Verilog HDL; 8.1 Pipelining; 8.2 Pipeline Hazards and Solutions; 8.3 The Circuit of the Pipelined CPU and Verilog HDL Codes; 8.4 Precise Interrupts/Exceptions in Pipelined CPU; 8.5 Design of Pipelined CPU with Precise Interrupt/Exception; Exercises; Chapter 9: Floating-Point Algorithms and FPU Design in Verilog HDL; 9.1 IEEE 754 Floating-Point Data Formats; 9.2 Converting between Floating-Point Number and Integer; 9.3 Floating-Point Adder (FADD) Design; 9.4 Floating-Point Multiplier (FMUL) Design9.5 Floating-Point Divider (FDIV) Design9.6 Floating-Point Square Root (FSQRT) Design; Exercises; Chapter 10: Design of Pipelined CPU with FPU in Verilog HDL; 10.1 CPU/FPU Pipeline Model; 10.2 Design of Register File with Two Write Ports; 10.3 Data Dependency and Pipeline Stalls; 10.4 Pipelined CPU/FPU Design in Verilog HDL; 10.5 Memory Modules and Pipelined CPU/FPU Test; Exercises; Chapter 11: Memory Hierarchy and Virtual Memory Management; 11.1 Memory; 11.2 Cache Memory; 11.3 Virtual Memory Management and TLB Design; 11.4 Mechanism of TLB-Based MIPS Memory Management; Exercises Chapter 12: Design of Pipelined CPU with Caches and TLBs in Verilog HDL

Sommario/riassunto

Uses Verilog HDL to illustrate computer architecture and microprocessor design, allowing readers to readily simulate and adjust the operation of each design, and thus build industrially relevant skills Introduces the computer principles, computer design, and how to use Verilog HDL (Hardware Description Language) to implement the design Provides the skills for designing processor/arithmetic/cpu chips, including the unique application of Verilog HDL material for CPU (central processing unit) implementation Despite the many books on Verilog and computer architecture and microprocessor design, few

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ISBN	9782766300716 2766300716
Edizione	[1st ed.]
Descrizione fisica	1 online resource (218 pages)
Collana	Religion et politique
Altri autori (Persone)	Pasche GuignardFlorence LaroucheCatherine
Disciplina	202/.2
Soggetti	Religion et politique Expression religieuse dans l'espace public Identite de genre - Aspect religieux Religion et Etat Corps humain - Aspect religieux Etudes de cas. Electronic books.
Lingua di pubblicazione	Francese
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Nota di contenuto	Intro -- Remerciements -- Introduction -- Florence Pasche Guignard et Catherine Larouche -- Corps et religion -- Le corps dans le tournant matériel des études sur les religions -- Corps et religions au prisme du genre et de la sexualité -- Religion et politique -- Religion et sécularité : au-delà de la dichotomie -- Perspectives transversales -- Présentation des chapitres -- Chapitre 1 -- Gender and Religion Playing Hide and Seek at the United Nations? A Reflection on the Place of the Secular and the Post-secular at the Human Rights Council -- Amélie Barras -- Background -- Human Rights Council (HRC) -- Religious NGOs at the UN: Dominance of Christian organizations. -- Secular tropes -- Case studies -- Case study 1: What to wear or not to wear? Walking the delicate line between the religious and nonreligious -- Concluding thoughts -- Chapitre 2 -- «This is a Catholic country» ou comment la mort évitable de Savita Halappanavar est devenue

l'emblème du mouvement -pro-choix en République d'Irlande -- Audrey Rousseau -- Contextualiser le refus du libre arbitre des femmes en matière de santé reproductive -- Église et État dans l'édification de la nation irlandaise -- Qu'est-ce qui a mené au décès tragique de Savita Halappanavar? -- Mobilisations liées à la légalisation de l'avortement et à la poursuite de l'égalité de genre -- L'indignation populaire liée à la mort de Savita -- La campagne Repeal the 8th -- Penser les rapports d'exclusion à travers la pragmatique du langage -- La force illocutoire de l'énoncé «This is a Catholic country» -- Logiques d'exclusion et de domination au sein de la nation irlandaise -- Conclusion -- Chapitre 3 -- Les hijras: une identité genrée indissociable des rituels qui la façonnent -- Mathieu Boisvert -- Le rit -- La cérémonie du dhdhpln -- Le nirvn -- Chapitre 4.

At Face Value? The Politics of Belief: The Refashioning of the Body in Law and Public Policy and on the Virtual Public Square in the Twenty-first Century -- Zaheeda P. Alibhai -- Context, religion and misrepresentation: The ban against face coverings -- Zunera Ishaq v. The Minister of Citizenship and Immigration 2015 FC 156 -- The politics of space and belief -- Counterpublics and acts of citizenship on the virtual public square -- Contested spaces: Transformative places -- Chapitre 5 -- Un point Godwin islamique? Expériences subjectives de femmes bruxelloises de confession musulmane -- Emilie El Khoury -- Méthode de recherche -- Les origines de la laïcité -- La Belgique, neutre ou laïque? -- Point Godwin, laïcité et neutralité -- Un point Godwin islamique? -- Ethnographie bruxelloise: quelques données de terrain de recherche -- Conclusion -- Chapitre 6 -- Quaint and Curious: Dress Codes as Signifiers of Cultural and Political Representation for Mennonite Women -- Marlene Epp -- Who are the Mennonites? -- Mennonites, dress and meaning -- Dress conflicts in early twentieth-century Ontario -- Agency and resistance -- Dress codes in the recent past -- Conclusion -- Chapitre 7 -- Sexual Regulation and Liberation in Quebec: Gender Relationships as a Driving Force for Social Change -- Géraldine Mossière -- Social change in Quebec and the deregulation of sexual and family models -- Two ethnographic studies, three generations of Québécois -- Baby-boomers' sexual liberation and the resistance to Catholic norms and to the clergy's authority -- Young converts to Islam: How to make gender relationships innocuous -- Generation X converts to Islam: Reacting to the baby-boomers' sexual revolution -- Generation X and the claim for morality -- Young new Muslims among Millennials: Islam as a remedy to mend intersectional injustices -- Conclusion.

Postface -- Lorsque les corps féminins, la sexualité et la visibilité du religieux défient le sentiment commun -- Solange Lefebvre -- Notices biographiques.

Sommario/riassunto

"Cet ouvrage s'intéresse à la place centrale qu'occupe le corps, notamment dans ses aspects genres, dans l'expression et la gestion du religieux, par les religions elles-mêmes et par l'État. En effet, au-delà des impacts des politiques décidées par l'État sur une ou plusieurs religions, on peut élargir la question et interroger l'influence religieuse--ou ce qu'il en reste--sur ses politiques."--
