

1. Record Nr.	UNINA9911004770003321
Autore	Hesselgreaves John E
Titolo	Compact heat exchangers : selection, design, and operation // John E. Hesselgreaves
Pubbl/distr/stampa	Amsterdam ; ; New York, : Pergamon, 2001
ISBN	1-281-07204-4 9786611072049 0-08-052954-2
Descrizione fisica	1 online resource (417 p.)
Disciplina	621.402/5
Soggetti	Heat exchangers Heat-engines
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Front Cover; Compact Heat Exchangers: Selection, Design and Operation; Copyright Page; Contents; Chapter 1. Introduction; Recent developments in compact exchanger technology; Basic aspects of compactness; Scaling laws for heat exchangers; The relationship of compactness and enhancement; The function of secondary surfaces (fins); Compactness and its relationship to enhanced boiling surfaces, rib roughnesses, etc.; Surface optimisation; Heat exchanger reactors; References; Chapter 2. Industrial Compact Exchangers; The Plate-Fin Heat Exchangers (PFHE); Tube-fin heat exchangers Diffusion bonded heat exchangers The printed circuit heat exchanger (PCHE); Welded plate heat exchangers; Plate and Frame Heat Exchangers (PHE) and derivatives; The Plate and Shell Heat Exchanger (PSHE); Spiral Heat Exchangers (SHE); Compact Shell and Tube Heat Exchangers; Polymer Exchangers; Some recent developments; Heat Exchanger Reactors; Surface selection; References; Chapter 3. The Heat Exchanger as Part of a System: Exergetic (Second Law) Analysis; Introduction; Basic Principles of Exergy Analysis; Application of Exergy Analysis to Heat Exchangers; Zero Pressure Drop Finite Pressure Drop Implications of the Entropy Minimisation Analysis; Application To Heat Exchanger Networks; References; Chapter 4. Surface Comparisons, Size, Shape and Weight Relationships;

Introduction; Conventional Theory (The Core Mass Velocity Equation, and Geometrical Consequences); Laminar Flow Analysis; Comparison of Compact Surfaces; Comparison of Conventional and Laminar Approaches; References; Chapter 5. Surface Types and Correlations; Introduction; Ducts; Plate- Fin Surfaces; Pressed Plate Type Surfaces; Plate and Shell Surfaces; Other Plate-Type Surfaces (Welded Plates etc.) Printed Circuit Heat Exchanger (PCHE) SurfacesReferences; Chapter 6. Thermal Design; Introduction; Form of specification; Basic Concepts and Initial Size Assessment; Details of the Design Process; Design for Two- Phase Flows; The design process; Thermal Design for Heat Exchanger Reactors; Mechanical Aspects of Design; References; Chapter 7. Compact Heat Exchangers In Practice; Installation; Commissioning; Operation; Maintenance; Design Approaches to Reduce Fouling; Fouling Factors; References; Appendices; 1. Nomenclature; 2. Conversion factors; 3. Software organisations and awareness groups 4. List of manufacturers5. Physical properties; Index

Sommario/riassunto

This book presents the ideas and industrial concepts in compact heat exchanger technology that have been developed in the last 10 years or so. Historically, the development and application of compact heat exchangers and their surfaces has taken place in a piecemeal fashion in a number of rather unrelated areas, principally those of the automotive and prime mover, aerospace, cryogenic and refrigeration sectors. Much detailed technology, familiar in one sector, progressed only slowly over the boundary into another sector. This compartmentalisation was a feature both of the user industries themse

2. Record Nr.	UNINA9910968597703321
Titolo	Criminal evidence and human rights : reimagining common law procedural traditions / edited by Paul Roberts and Jill Hunter
Pubbl/distr/stampa	Oxford ; Portland, Oregon, : Hart Publishing, 2012
ISBN	9781847319463 1847319467 9781472566010 1472566017 9781283657808 1283657805 9781847319456 1847319459
Edizione	[1st ed.]
Descrizione fisica	1 online resource (451 p.)
Disciplina	345.06
Soggetti	Evidence, Criminal Human rights
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 and index
Nota di contenuto	A constitutional revolution in South African criminal procedure? / P.J. Schwikkard -- Human rights in Hong Kong criminal trials / Simon N.M. Young -- Right to counsel during custodial interrogation in Canada : not keeping up with the common law Joneses / Christine Boyle and Emma Cunliffe -- Degrading searches and illegally obtained evidence in the Malaysian criminal justice system / Salim Farrar -- Human rights, constitutional law and exclusionary safeguards in Ireland / John Jackson -- The exclusion of evidence obtained by violating a fundamental right : pragmatism before principle in the Strasbourg jurisprudence / Andrew Ashworth -- Normative evolution in evidentiary exclusion : coercion, deception and the right to a fair trial / Paul Roberts -- Ozymandias on trial : wrongs and rights in DNA cases / Jeremy Gans -- Delayed complaint, lost evidence and fair trial : epistemic and non-epistemic concerns / David Hamer -- 'Give us what you have' : information, compulsion and the privilege against self-

incrimination as a human right / Andrew L.-T. Choo -- The presumption of innocence as a human right / Hock Lai Ho -- Confronting confrontation / Mike Redmayne -- Human deliberation in fact-finding and human rights in the law of evidence / Craig R. Callen -- Reliability, hearsay and the right to a fair trial in New Zealand / Chris Gallavin -- Finessing the fair trial for complainants and the accused : mansions of justice or castles in the air? / Terese Henning and Jill Hunter -- Human rights, cosmopolitanism and the Scottish 'rape shield' / Peter Duff

Introduction-The Human Rights Revolution in Criminal Evidence and Procedure -- Paul Roberts and Jill Hunter -- 1. A Constitutional Revolution in South African Criminal Procedure? -- PJ Schwikkard -- 2. Human Rights in Hong Kong Criminal Trials -- Simon NM Young -- 3. Right to Counsel During Custodial Interrogation in Canada: Not Keeping Up with the Common Law Joneses -- Christine Boyle and Emma Cunliffe -- 4. Degrading Searches and Illegally Obtained Evidence in the Malaysian Criminal Justice System -- Salim Farrar -- 5. Human Rights, Constitutional Law and Exclusionary Safeguards in Ireland -- John Jackson -- 6. The Exclusion of Evidence Obtained by Violating a Fundamental Right: Pragmatism Before Principle in -- the Strasbourg Jurisprudence -- Andrew Ashworth -- 7. Normative Evolution in Evidentiary Exclusion: Coercion, Deception and the Right to a Fair Trial -- Paul Roberts -- 8. Ozymandias On Trial: Wrongs and Rights in DNA Cases -- Jeremy Gans -- 9. Delayed Complaint, Lost Evidence and Fair Trial: Epistemic and Non-epistemic Concerns -- David Hamer -- 10. 'Give Us What You Have'-Information, Compulsion and the Privilege Against Self-Incrimination as a Human Right -- Andrew L-T Choo -- 11. The Presumption of Innocence as a Human Right -- Hock Lai Ho -- 12. Confronting Confrontation -- Mike Redmayne -- 13. Human Deliberation in Fact-Finding and Human Rights in the Law of Evidence -- Craig R Callen -- 14. Reliability, Hearsay and the Right to a Fair Trial in New Zealand -- Chris Gallavin -- 15. Finessing the Fair Trial for Complainants and the Accused: Mansions of Justice or Castles in the Air? -- Terese Henning and Jill Hunter -- 16. Human Rights, Cosmopolitanism and the Scottish 'Rape Shield' -- Peter Duff

Sommario/riassunto

Criminal procedure in the common law world is being recast in the image of human rights. The cumulative impact of human rights laws, both international and domestic, presages a revolution in common law procedural traditions. Comprising 16 essays plus the editors' thematic introduction, this volume explores various aspects of the 'human rights revolution' in criminal evidence and procedure in Australia, Canada, England and Wales, Hong Kong, Malaysia, New Zealand, Northern Ireland, the Republic of Ireland, Singapore, Scotland, South Africa and the USA. The contributors provide expert evaluations of their own domestic law and practice with frequent reference to comparative experiences in other jurisdictions. Some essays focus on specific topics, such as evidence obtained by torture, the presumption of innocence, hearsay, the privilege against self-incrimination, and 'rape shield' laws. Others seek to draw more general lessons about the context of law reform, the epistemic demands of the right to a fair trial, the domestic impact of supra-national legal standards (especially the ECHR), and the scope for reimagining common law procedures through the medium of human rights. This edited collection showcases the latest theoretically informed, methodologically astute and doctrinally rigorous scholarship in criminal procedure and evidence, human rights and comparative law, and will be a major addition to the literature in all of these fields
