1. Record Nr. UNINA9910437580103321

Autore	Zeigler Bernard P. <1940->
Titolo	Guide to modeling and simulation of systems of systems : user's reference / / Bernard P. Zeigler
Pubbl/distr/stampa	London, : Springer, 2013
ISBN	1-283-74043-5 1-4471-4570-4
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (49 p.)
Collana	SpringerBriefs in computer science, , 2191-5768
Disciplina	003.3
Soggetti	Systems engineering - Data processing Computer simulation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Atomic Models List -- System Entity Structure List -- Pruning SES List -- Miscellaneous List.
Sommario/riassunto	This user’s reference is a companion to the separate book also titled “Guide to Modeling and Simulation of Systems of Systems.” The principal book explicates integrated development environments to support virtual building and testing of systems of systems, covering in some depth the MS4 Modeling Environment™. This user’s reference provides a quick reference and exposition of the various concepts and functional features covered in that book. The topics in the user’s reference are grouped in alignment with the workflow displayed on the MS4 Modeling Environment™ launch page, under the headings Atomic Models, System Entity Structure, Pruning SES, and Miscellaneous. For each feature, the reference discusses why we use it, when we should use it, and how to use it. Further comments and links to related features are also included.

2. Record Nr. UNINA9911019704803321

Titolo	Generation and effector functions of regulatory lymphocytes / / [editors, Gregory Bock and Jamie Goode]
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, c2003
ISBN	9786610274062 9781280274060 1280274069 9780470871614 047087161X 9780470871621 0470871628
Descrizione fisica	1 online resource (327 p.)
Collana	Novartis Foundation symposium ; ; 252
Altri autori (Persone)	BockGregory GoodeJamie
Disciplina	571.9/6
Soggetti	Lymphocytes T cells Immune response - Regulation
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	GENERATION AND EFFECTOR FUNCTIONS OF REGULATORY LYMPHOCYTES; Contents; Participants; Chair's introduction; Thymic generation and selection of CD25(+)CD4(+) regulatory T cells: implications of their broad repertoire and high self-reactivity for the maintenance of immunological self-tolerance; Discussion; Control of T cell activation by CD4(+)CD25(+) suppressor T cells; Discussion; Regulation of experimental autoimmune encephalomyelitis (EAE) by CD4(+)CD25(+) regulatory T cells; Discussion; The role of CD28 and CTLA4 in the function and homeostasis of CD4(+)CD25(+) regulatory T cells DiscussionCD4(+)CD25(+) regulatory cells from human peripheral blood express very high levels of CD25 ex vivo; Discussion; Control of immune pathology by regulatory T cells; Discussion; General discussion I TGFB; Type 1 T regulatory cells and their relationship with CD4(+)

CD25(+) T regulatory cells; Discussion; (PRO)insulin-specific regulatory T cells; Discussion; CD1d-restricted NKT regulatory cells: functional genomic analyses provide new insights into the mechanisms of protection against Type 1 diabetes; Discussion
Seven surprises in the TCR-centred regulation of immune responsiveness in an autoimmune systemDiscussion; Regulatory cells in transplantation; Discussion; CD4(+) regulatory T cells in chronic viral infection; Discussion; General discussion II; Modulation of T cell responses after cross-talk between antigen presenting cells and T cells: a give-and-take relationship; Discussion; Dendritic cells: controllers of the immune system and a new promise for immunotherapy; Discussion; Regulation of viral and autoimmune responses; Discussion; General discussion III Active immune regulation
Notch signalling in the peripheral immune systemDiscussion; CD3 antibody treatment stimulates the functional capability of regulatory T cells; Discussion; The role of dendritic cells in regulating mucosal immunity and tolerance; Discussion; Index of contributors; Subject index

Sommario/riassunto

Over the last several years, immunologists have re-discovered the importance of regulatory lymphocytes, formerly termed 'suppressor cells'. Many recent reports have documented their existence, effector functions and potential therapeutic benefits in autoimmunity and transplantation. However, even though modern techniques have allowed us to get a much more detailed picture of these cells, they are still highly controversial. Several unresolved issues responsible for this dilemma are discussed in this book: it is difficult to grow and clone such cells, their phenotypes and effector functions are

3. Record Nr. UNINA9910254148503321

Titolo	Smart Polymer Nanocomposites : Energy Harvesting, Self-Healing and Shape Memory Applications / / edited by Deepalekshmi Ponnamma, Kishor Kumar Sadasivuni, John-John Cabibihan, Mariam Al-Ali Al-Maadeed
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-50424-X
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XI, 397 p. 183 illus., 131 illus. in color.)
Collana	Springer Series on Polymer and Composite Materials, , 2364-1886
Disciplina	338.47620192
Soggetti	Polymers Nanotechnology Energy harvesting Microtechnology Microelectromechanical systems Nanochemistry Nanoscience Energy Harvesting Microsystems and MEMS Nanophysics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Polymer Composites: Perspectives for Energy Harvesting, Self-healing and Shape Memory -- Energy harvesting with crystalline polymer composites: cellulose, and PVDF composites -- Energy harvesting using conductive polymer composites -- Application of poly (3-hexylthiophene) P3HT composites for energy harvesting -- Energy harvesting with poly(fluorene-co-thiophene) and perflouro polymer composites -- Elastomer composites in energy harvesting: poly (dimethylsiloxane), polyurethane composites -- Poly--benzyl-L-glutamate, poly(methyl methacrylate) composites and their application for energy harvesting -- Self-healing materials from elastomeric composites -- Self-healing materials from crystalline polymer

composites -- Thermoplastic polymer composites as self-healing materials -- Application of conductive polymer composites as self-healing materials -- Self-healing of biopolymers and their composites -- Shape memory materials from elastomeric composites -- Conductive polymer composites: Perspectives asshape memory materials -- Thermoplastic polymer composites as shape memory materials -- Crystalline polymer composites as shape memory materials.

Sommario/riassunto

This book covers smart polymer nanocomposites with perspectives for application in energy harvesting, as self-healing materials, or shape memory materials. The book is application-oriented and describes different types of polymer nanocomposites, such as elastomeric composites, thermoplastic composites, or conductive polymer composites. It outlines their potential for applications, which would meet some of the most important challenges nowadays: for harvesting energy, as materials with the capacity to self-heal, or as materials memorizing a given shape. The book brings together these different applications for the first time in one single platform. Chapters are ordered both by the type of composites and by the target applications. Readers will thus find a good overview, facilitating a comparison of the different smart materials and their applications. The book will appeal to scientists in the fields of chemistry, material science and engineering, but also to technologists and physicists, from graduate student level to researcher and professional. .