1.	Record Nr.	UNINA9910831173403321
	Autore	Pullum Laura L.
	Titolo	Guidance for the verification and validation of neural networks / / Laura L. Pullum, Brian J. Taylor, Majorie A. Darrah
	Pubbl/distr/stampa	Hoboken, New Jersey : , : IEEE Computer Society, , c2007 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2015]
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	Collana	Emerging technologies
	Altri autori (Persone)	TaylorBrian J DarrahMajorie A
	Disciplina	006.32
	Soggetti	Neural networks (Computer science) Computer programs - Validation Computer programs - Verification Neural networks (Computer science) - Validation Computer programs Engineering & Applied Sciences Computer Science
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	Livello bibliografico	Monografia
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	Nota di bibliografia	Includes bibliographical references (p. 119-121) and index.
	Nota di contenuto	Areas of consideration for adaptive systems -- Verification and validation of neural networks-guidance -- Recent changes to IEEE std 1012.
	Sommario/riassunto	Guidance for the Verification and Validation of Neural Networks is a supplement to the IEEE Standard for Software Verification and Validation, IEEE Std 1012-1998. Born out of a need by the National Aeronautics and Space Administration's safety- and mission-critical research, this book compiles over five years of applied research and development efforts. It is intended to assist the performance of verification and validation (V&V) activities on adaptive software systems, with emphasis given to neural network systems. The book discusses some of the difficulties with trying to assure adaptive systems in general, presents techniques and advice for the V&V practitioner confronted with such a task, and based on a neural

network case study, identifies specific tasking and recommendations for the V&V of neural network systems. "As the demand for developing and assuring adaptive systems grows, this guidebook will provide practitioners with the insight and practical steps for verifying and validating neural networks. The work of the authors is a great step forward, offering a level of practical experience and advice for the software developers, assurance personnel, and those performing verification and validation of adaptive systems. This guide makes possible the daunting task of assuring this new technology. NASA is proud to sponsor such a realistic approach to what many might think a very futuristic subject. But adaptive systems with neural networks are here today and as the NASA Manager for Software Assurance and Safety, I believe this work by the authors will be a great resource for the systems we are building today and into tomorrow." -Martha S. Wetherholt, NASA Manager of Software Assurance and Software Safety NASA Headquarters, Office of Safety & Mission Assurance.

2. Record Nr.	UNINA9910557536003321
Autore	Tagsold Christian
Titolo	Diaspora and Disaster : Japanese Outside Japan and the Triple Catastrophy of March 2011 / / Christian Tagsold, Andreas Niehaus
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ISBN	9783110720280 3110720280
Edizione	[1st ed.]
Descrizione fisica	1 online resource (118 p.)
Collana	Kultur- und Sozialwissenschaftliche Japanforschung ; ; 1
Soggetti	SOCIAL SCIENCE / General
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di contenuto	Frontmatter -- Contents -- Introduction -- Diasporas: Communities of Practice, Economies of Affect -- Mourning for Whom and Why? 3/11 and the Japanese in Düsseldorf, Germany -- "Even if it is Just a Little

Help for the Victims from the Distant Belgium": Japanese Nationals in Belgium and the 3/11 Triple Disaster -- 3/11 and the Japanese in London -- The Triple Disaster as an Opportunity to Feel Japanese Again in Hawaii -- Disaster, Donations, and Diaspora: The Response of the Japanese-Brazilian Community of São Paulo to the Triple Disaster of 2011 -- About the Authors

Sommario/riassunto	On March 11, 2011 the North-East of Japan was hit by a massive magnitude 9 earthquake. The earthquake was followed by a tsunami that destroyed farmland, cities, factories and the infrastructure of the coastal regions and also caused the nuclear meltdowns in the Fukushima Daiichi Powerplant. In media as well as in research the disaster was perceived as a national catastrophe, overlooking itstransnational character. Japanese diasporic communities worldwide organized support and fundraising events to support the devastated regions and thus showed their solidarity with the homeland. In both transient and permanent Japanese communities being active often became a means to overcome the global, local and personal shockwave of the catastrophe and overcome feelings of insecurity. Yet, the broad variety of activities also furthered diasporic civil society and helped to integrate members of Japanese communities more into the surrounding society. By bringing together disaster studies and diaspora studies and analyzing the reactions of Japanese transient and permanent communities in Ghent, Brussels, Dusseldorf, Sao Paulo, Honolulu and London following the Triple Disaster, this volume will help to get a better understanding of how catastrophes effect diasporic communities.