1. Record Nr. UNINA9910462098003321

Titolo	Miracle of education [[electronic resource]] : the principles and practices of teaching and learning in Finnish schools / / edited by Hannele Niemi, Auli Toom & Arto Kallioniemi
Pubbl/distr/stampa	Rotterdam ; ; Boston, : Sense Publishers, 2012
ISBN	1-280-79927-7 94-6091-811-5 9786613709660
Edizione	[1st ed. 2012.]
Descrizione fisica	1 online resource (289 p.)
Altri autori (Persone)	NiemiHannele ToomAuli KallioniemiArto
Disciplina	379
Soggetti	Teachers - Training of - Finland Education - Curricula - Finland Electronic books.
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.
Nota di contenuto	pt. 1. Introduction : current educational framing factors and conditions in Finland -- pt. 2. The foundations : the design of educational system on various levels -- pt. 3. Teaching and learning for life : academic subjects -- pt. 4. Reflections : future scenarios and investments for pathways of success.
Sommario/riassunto	Finnish pupils' success in international student assessment tests is a hot topic everywhere in the world. The significance of Finnish educational policy and society are continuously discussed. This book provides explanations, answers and reflections to these questions. Over 30 expert authors have contributed to this book by bringing their own specific research-based viewpoints to these issues. The book describes the wholeness of the Finnish educational system, on both structural and administrative levels. It introduces the framing factors and societal conditions of education in Finland. It also explains how the Finnish educational system and teacher education function in everyday life. The book illustrates how teaching and learning of different subjects is

	realized in Finnish schools, and describes the essential characteristics and methods of teaching, learning materials and research on these issues. The book provides important insight and reflections to international researchers, teachers, students, journalists and policy makers, who are interested in teaching and learning in Finnish schools. It shows the results of the systematic and persistent work that has been done on education and schooling in Finland. The main features of education in Finland: - Strong equity policy - Teachers as autonomous and reflective academic experts - Flexible educational structures and local responsibility for curriculum developmentEvaluation for improvements, not for ranking - No national testing, no inspectorate - Research-based teacher education - Teachers' high competence in content knowledge and pedagogy - Trust in education and teachers.

2.

Record Nr.	UNINA9910782273603321
Autore	Du Dingzhu
Titolo	Steiner tree problems in computer communication networks [[electronic resource] /] / Dingzhu Du, Xiaodong Hu
Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ, : World Scientific, c2008
ISBN	1-281-93394-5 9786611933944 981-279-145-0
Descrizione fisica	1 online resource (xiii, 359 p.) : ill
Altri autori (Persone)	HuXiaodong
Disciplina	004.6
Soggetti	Steiner systems Computer networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. 337-353) and index.
Nota di contenuto	1. Minimax approach and Steiner ratio. 1.1. Minimax approach. 1.2. Steiner ratio in the Euclidean plane. 1.3. Steiner ratios in other metric spaces. 1.4. Discussions -- 2. k-Steiner ratios and better approximation algorithms. 2.1. k-Steiner ratio. 2.2. Approximations better than minimum spanning tree. 2.3. Discussions -- 3. Geometric partitions and polynomial time approximation schemes. 3.1. Guillotine

cut for rectangular partition. 3.2. Portals. 3.3. Banyan and Spanner. 3.4. Discussions -- 4. Grade of service Steiner Tree problem. 4.1. GoSST problem in the Euclidean plane. 4.2. Minimum GoSST problem in graphs. 4.3. Discussions -- 5. Steiner Tree problem for minimal Steiner points. 5.1. In the Euclidean plane. 5.2. In the rectilinear plane. 5.3. In metric spaces. 5.4. Discussions -- 6. Bottleneck Steiner tree problem. 6.1. Complexity study. 6.2. Steinerized minimum spanning tree algorithm. 6.3. 3-restricted Steiner Tree algorithm. 6.4. Discussions -- 7. Steiner k-Tree and k-Path routing problems. 7.1. Problem formulation and complexity study. 7.2. Algorithms for k-Path routing problem. 7.3. Algorithms for k-Tree routing problem. 7.4. Discussions -- 8. Steiner Tree coloring problem. 8.1. Maximum tree coloring. 8.2. Minimum tree coloring. 8.3. Discussions -- 9. Steiner Tree scheduling problem. 9.1. Minimum aggregation time. 9.2. Minimum multicast time problem. 9.3. Discussions -- 10. Survivable Steiner network problem. 10.1. Minimum k-connected Steiner networks. 10.2. Minimum weak two-connected Steiner networks. 10.3. Minimum weak three-edge-connected Steiner networks. 10.4. Discussions.

Sommario/riassunto

The Steiner tree problem is one of the most important combinatorial optimization problems. It has a long history that can be traced back to the famous mathematician Fermat (1601-1665). This book studies three significant breakthroughs on the Steiner tree problem that were achieved in the 1990's, and some important applications of Steiner tree problems in computer communication networks researched in the past fifteen years. It not only covers some of the most recent developments in Steiner tree problems, but also discusses various combinatorial optimization methods, thus providing a balance between theory and practice.