

1. Record Nr.	UNINA9910455164003321
Autore	Wrobel Leo A. (Leo Anthony)
Titolo	Disaster recovery planning for communications and critical infrastructure // Leo A. Wrobel, Sharon M. Wrobel
Pubbl/distr/stampa	Boston : , : Artech House, , ©2009 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2009]
ISBN	1-5231-1709-5 1-59693-469-7
Descrizione fisica	1 online resource (325 p.)
Collana	Artech House telecommunications series
Altri autori (Persone)	WrobelSharon M
Disciplina	658.477
Soggetti	Telecommunication systems - Security measures - Planning Emergency management 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 and index.
Nota di contenuto	Why do we need recovery plans? -- The concept of 4Ci: command and control in a disaster -- What are we planning for? -- Case studies and examples of quantifying risk of natural disasters to critical infrastructure -- Satellite communications for 4Ci -- Justifying and funding the planning effort -- Unique vulnerabilities in telecommunications networks -- Stability Services Inc. (SSI) disaster recovery plan -- Other references -- Directory of disaster recovery information sources.
Sommario/riassunto	Addressing the vulnerabilities in today's critical infrastructure to natural disasters and terrorism, this practical book describes what public safety and other officials need to do to protect should be doing to pipelines, power plants, telecommunications, and other essential services before the unthinkable happens. The book explains how to maintain command and control in any disaster, and how to predict the probability of those disasters. Written by two highly regarded experts in the field, this one-of-a-kind guidebook shows how to simplify risk assessments and emergency response procedures to disasters affecting our critical national and local infrastructure.

2. Record Nr.	UNINA9910450114903321
Titolo	Contact angle, wettability and adhesion . Volume 3 // edited by Kash L. Mittal
Pubbl/distr/stampa	Boca Raton, FL : , : CRC Press, an imprint of Taylor and Francis, , 2003
ISBN	0-429-08812-4 1-280-46547-6 9786610465477 1-4175-7780-0 90-474-0332-0
Edizione	[First edition.]
Descrizione fisica	1 online resource (530 p.)
Disciplina	541/.33
Soggetti	Surface chemistry Contact angle Wetting Adhesion Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"This volume chronicles the proceedings of the Third International Symposium on Contact Angle, Wettability and Adhesion held ... in Providence, Rhode Island, May 20-23, 2002"--Pref. "Volume 3."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Contents; Preface; Part 1: General Papers; Part 2: Contact Angle Measurements / Determination and Solid Surface Free Energy; Part 3: Wetting and Spreading: Fundamental and Applied Aspects
Sommario/riassunto	This volume chronicles the proceedings of the Third International Symposium on Contact Angle, Wettability and Adhesion held in Providence, Rhode Island, May 20–23, 2002. A thermodynamic model for wetting free energies of solids from contact anglesA. Buguin, X. Noblin and F. Brochard-WyartA. MarmurAdsorption, evaporation, condensation, and fluid flow in the contact line regionAdsorption isotherms of cationic surfactants on bitumen films studied using axisymmetric drop shape analysisAdvancing, receding and vibrated

contact angles on rough hydrophobic surfacesApplication of droplet dynamics analysis for assessment of water penetration resistance of coatingsC.S. Vijapurapu and D.N. RaoC.W. ExtrandCharacterization of surface free energies and surface chemistry of solidsCondensation transport in triple line motionContact-angle measurements and criteria for surface energetic interpretationD. Geromichalos, M. Kohonen, F. Mugele and S. HerminghausD.N. RaoD.Y. Kwok and A.W. NeumannDynamic evolution of contact angle on solid substrates during evaporationDynamic aspects of wetting in granular matterE. RuckensteinEffect of adsorbed vapor on liquidsolid adhesionEffects of surface defect, polycrystallinity and nanostructure of self-assembled monolayers on wetting and its interpretationEffect of the physical chemistry of polymeric coating surfaces on fouling and cleanability with particular reference to the food industryExperimental study of contact line dynamics by capillary rise and fallF.M. EtzlerG.C.H. Mo, J. Yang, S.-W. Lee, P.E. Laibinis and D.Y. KwokG.M. Laudone, G.P. Matthews and P. A.C. GaneIndirect measurement of the shrinkage forces acting during the drying of a paper coating layerInertial dewetting: Shocks and surface wavesJ. Yang, J. Han, K. Isaacson and D.Y. KwokJ. Zhang and D. Y. KwokK. Grundke, M. Nitschke, S. Minko, M. Stamm, C. Froeck, F. Simon, S. Uhlmann, K. Pschel and M. MotornovL. Boulang-Petermann, C. Debacq, P. Poiret and B. CromiresL. Muszyski, M.E.P. Wlinder, C. Prvu, D.J. Gardner and S.M. ShalerLight-induced reversible wetting of structured surfacesM. Fabretto, R. Sedev and J. RalstonM.A. Rodrguez-Valverde, A. Pez-Dueas, M.A. Cabrerizo-Vlchez and R. Hidalgo-IvarezM.E.R. ShanahanM.E. SchraderMerging two concepts: Ultrahydrophobic polymer surfaces and switchable wettabilityN. Richards, J. Ralston and G. ReynoldsP. Woehl and A. CarrP.C. Wayner, Jr. P.-Z. Wong and E. SchfferPart 1: General PapersPart 2: Contact Angle Measurements / Determination and Solid Surface Free EnergyPart 3: Wetting and Spreading: Fundamental and Applied AspectsS.K. Barthwal, A.K. Panwar and S. RaySelf-propelled drop movement: Chemical influences on the use of kinetic or equilibrium approaches in reactive wettingThe molecular origin of contact angles in terms of different combining rules for intermolecular potentialsThe concept, characterization, concerns and consequences of contact angles in solid-liquid-liquid systemsThe effect of rock surface characteristics on reservoir wettabilityThis symposium was held to provide a forum to update and consolidate the research activity on this topic. The world of wettability is very wide as it plays an extremely important role in a legion of technological areas.This volume contains a total of 25 papers covering myriad aspects of contact angle and wettability. All manuscripts were rigorously peer-reviewed and all were revised and properly edited before inclusion in this volume. This book is divided into three parts: General Papers; Contact Angle Measurements/Determination and Solid Surface Free Energy; and Wetting and Spreading: Fundamental and Applied Aspects. The topics covered include: fundamental aspects of contact line region; effect of adsorbed vapor on liquid–solid adhesion; molecular origin of contact angles; various factors influencing contact angle measurements; different kinds of contact angles; various ways to measure contact angles; contact angle hysteresis; determination of solid surface free energies via contact angles; contact angle measurements on various materials (smooth, rough, porous, heterogeneous); factors influencing/dictating wetting and spreading phenomena; ultrahydrophobic polymer surfaces; switchable wettability; reactive wetting; wetting by nanocrystallites; dewetting; wetting of self-assembled monolayers; reversible wetting of structured surfaces;

wetting in granular and porous media; relationship between wetting and adhesion; relevance/importance of wetting and surface energetics in technological applications, including food industry. This volume and its predecessors containing bountiful information will be of great interest and value to everyone interested in the contemporary R&D activity in the fascinating world of contact angles and wettability. The information garnered in these volumes will hopefully serve as a fountainhead for new research ideas and applications. Viscous dissipation and rheological behavior near the solid/liquid/vapor triple line. Application to the spreading of silicone oilsWetting of a substrate by nanocrystallitesWetting in porous media: Some theoretical and practical aspects.

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