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Titolo	Lead-free solder process development / / Jasbir Bath, Greg Henshall, Carol Handwerker
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , c2010 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2011]
ISBN	1-283-02524-8 9786613025241 1-118-10274-6 0-470-90119-5 0-470-90118-7
Descrizione fisica	1 online resource (286 p.)
Altri autori (Persone)	HandwerkerCarol A HenshallGregory Arthur
Disciplina	621.38104 621.9/77
Soggetti	Lead-free electronics manufacturing processes Solder and soldering
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	Front Matter -- Regulatory and Voluntary Drivers for Environmental Improvement: Hazardous Substances, Life-Cycle Design, and End of Life / John Hawley -- Lead-Free Surface Mount Technology / Jasbir Bath, Jennifer Nguyen, Sundar Sethuraman -- Lead-Free Wave Soldering / Denis Barbini, Jasbir Bath -- Lead-Free Rework / Alan Donaldson -- Lead-Free Alloys for BGA/CSP Components / Gregory Henshall -- Growth Mechanisms and Mitigation Strategies of Tin Whisker Growth / Peng Su -- Testability of Lead-Free Printed Circuit Assemblies / Rosa D Reinosa, Aileen M Allen -- Board-Level Solder Joint Reliability of High-Performance Computers Under Mechanical Loading / Keith Newman -- Lead-Free Reliability in Aerospace/Military Environments / Thomas A Woodrow, Jasbir Bath -- Lead-Free Reliability in Automotive Environments / Richard D Parker -- Index.
Sommario/riassunto	A fully up-to-date approach to implementing lead-free

solderingEnvironmental and health concerns have led to a growing movement to eliminate lead from electronics, specifically from electronics soldering. Lead-based solder has been used for many years with a good history of use, so the change to lead-free solder alternatives requires companies to re-examine, develop, and re-test manufacturing processes as they make the transition.Lead-Free Solder Process Development covers general lead-free soldering topics written by those specializing in these areas. Timely and up to date, this reference covers key topics including legislation, SMT, wave, rework, alloys, test, and reliability. It provides updates in areas where research is ongoing and addresses various topics that are relevant to lead-free soldering, including:.. Government and legislative activities. Lead-free SMT assembly. Lead-free wave soldering. Lead-free rework. Lead-free alloys for BGA/CSP components. Lead-free mechanical reliability. Tin whiskers. Lead-free reliability in aerospace and military environments. Lead-free reliability in automotive environments. Testability of lead-free printed circuit assembliesEmphasizing practical knowledge of lead-free soldering rather than theory, Lead-Free Solder Process Development is written by experts who are or who have been heavily involved in lead-free implementation at the product level. Being an up-to-date book on this changing field, it is an essential read for engineers in the industry who are or will be migrating to lead-free soldering.

2. Record Nr.	UNINA9910795499603321
Titolo	Global exchanges : scholarships and transnational circulations in the modern world / / edited by Ludovic Tournes and Giles Scott-Smith
Pubbl/distr/stampa	New York ; ; Oxford, [England] : , : Berghahn, , 2018 ©2018
ISBN	1-78533-703-3
Descrizione fisica	1 online resource (344 pages) : illustrations, tables
Disciplina	370.1162
Soggetti	Educational exchanges - History - 19th century Educational exchanges - History - 20th century Scholarships - History - 19th century Scholarships - History - 20th century International education - History - 19th century International education - History - 20th century Higher education and state - History - 19th century Higher education and state - History - 20th century
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction : conceptualizing the history of international scholarship programs (19-21st centuries) / Giles Scott-Smith and Ludovic Tournes -- The politics of scholarly exchange : taking the long view on the Rhodes scholarships / Tamson Pietsch & Meng-Hsuan Chou -- The defeat of university autonomy : French academic diplomacy, mobility scholarships and exchange programs (1880s-1930s) / Guillaume Tronchet -- The commonwealth university interchange scheme : promoting exchanges in a changing world (1948-1960) / Alice Byrne -- Students as ambassadors : German-American exchange diplomacy during the 1980s / Jacob S. Eder -- Muscular Christian exchanges : Asian sports experts and the international YMCA training school (1910s-1930s) / Stefan Hubner -- Managing scientific exchange in interwar Germany : August Wilhelm Fehling and Rockefeller Foundation fellowships / Judith Syga-Dubois -- Wedges and webs : Rockefeller nursing fellowships, 1920-1940 / Pierre-Yves Saunier -- Fellowship

programs for public health development : the Rockefeller Foundation, UNRRA, and WHO (1920s-1970s) / Yi-Tang Lin, Thomas David, Davide Rodogno -- New missionaries for social development : the ILO internship program (1950-1963) / Veronique Plata-Stenger -- The Fulbright program and the philosophy and geography of U.S. exchange programs since World War II / Lonnie R. Johnson -- Grassroots diplomacy : fighting the cold war on the family farm with the International Farm Youth Exchange / Peter Simons -- Third world students at Soviet universities in the Brezhnev period / Julie Hessler -- US exchange programs with Africa during the civil rights era / Hannah Higgin -- Working on/working with the Soviet bloc : IREX, scholarly exchanges and detente / Justine Faure -- American foundations and the challenge of funding international fellowship and exchange programs since 1970 / Patricia L. Rosenfield -- Global networks, soft power, and the U.S. military / Carol Atkinson -- American Fulbrighters in China, 1979-2014 / Guangqiu Xu -- Importing barbarian knowledge : the JET program and the development of cultural internationalism in Japan (1987-2014) / Jesse Sargent -- New actors of the post-cold war world (Europe, China, India) : towards a genuine globalization of scholarship programs / Ludovic Tournes.

Sommario/riassunto

Exchanges between different cultures and institutions of learning have taken place for centuries, but it was only in the twentieth century that such efforts evolved into formal programs that received focused attention from nation-states, empires and international organizations. Global Exchanges provides a wide-ranging overview of this underresearched topic, examining the scope, scale and evolution of organized exchanges around the globe through the twentieth century. In doing so it dramatically reveals the true extent of organized exchange and its essential contribution for knowledge transfer, cultural interchange, and the formation of global networks so often taken for granted today.
