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""Mininga€?s Contribution to Socioeconomic Development""; ""Risks in Powera€?Mining Integration""; ""Scope of This Report""; ""Notes""; ""References""; ""Chapter 2 Mining Demand for Power""; ""Mines Require Enormous Amounts of Power""; ""Mining Demand for Power Could Triple to 23 GW by 2020""
""Power Demand from Mines Is Concentrated in a Group of Metals""""""
Mining Demand for Power Will Overwhelm Nonmining Demand for a Handful of Countries""; ""Note""; ""Reference""; ""Chapter 3 Mine Power-Sourcing Arrangements""; ""A Typology of Arrangements""; ""The Share of Grid Supply in Projects Has Declined""; ""Intermediate Options Report the Largest Rise in Annual Consumption""; ""Power-Sourcing Arrangements Have Evolved in SSA Regions""; ""Self-Supply Imposes a Heavy Burden""; ""Three Main Factors Determine Power-Sourcing Arrangements""; ""References""
""Chapter 4 Opportunities and Lessons for Powera€?Mining Integration""""""Powera€?Mining Overview""; ""The Eight Countries Report a Range of Power-Sourcing Relationships""; ""Group 1: Minimal Synergies (Guinea, Mauritania, and Tanzania): Opportunity to Use Mining as Anchor Load for Electrification""; ""Group 2: Medium Synergies (Mozambique, the Democratic Republic of Congo, and Cameroon): Mines as Anchor Load for Regional Power System Integration""; ""Group 3: High Synergies (Ghana and Zambia): Lessons of Experience""; ""Note""; ""References""
""Chapter 5 Challenges to Powera€?Mining Integration""

Sommario/riassunto

Africa needs power - to grow its economies and enhance the welfare of its people. Power for all is still a long distance away - two thirds of the population remains without electricity and enterprises rank electricity as a top constraint to doing business. This sub-optimal situation coexists while vast energy resources remain untapped. One solution to harness these resources could be to tap into the concept of anchor load. Mining industry lends itself to the concept of anchor load as it needs power in large quantity and reliable quality to run its processes. Underpinned by a comprehensive data

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Nota di contenuto	Intro -- Foreword -- HCI International 2021 Thematic Areas and Affiliated Conferences -- Contents -- I Smart Cities -- Integrating Inter-field Data into Space-Time to Grasp and Analyze Activities in Town -- 1 Introduction -- 2 Background -- 2.1 Cyber-Physical Systems (CPS) -- 2.2 Open Data -- 2.3 Marketing Analysis -- 3 Integration of Inter-field Data -- 3.1 Issues on Integration -- 3.2 Integration of Heterogeneous Data -- 3.3 Mapping and Converting with Fundamental Data -- 3.4 Simulation -- 4 An Example of Using Integrated Data: Interactive Analytics -- 4.1 Preparation of POS Transaction Data -- 4.2 Preparation of Trajectories Data -- 4.3

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and Smart Learning Environments -- 3 Effective Learning in Smart Environments -- 4 Motivation and Autonomy -- 5 The Research -- 5.1 Sample and Method -- 5.2 Methodology -- 5.3 Analysis -- 6 Structures of Experience Variation -- 7 Structures of Relevance -- 8 Relevance Structure Influencing Factors -- 8.1 Reflection with Peers -- 8.2 Context and Awareness -- 8.3 Twenty-First Century Skills, Autonomy and Self-directed Learning -- 9 Conclusions -- References -- Design Inspired by Intangible Cultural Heritage of Taoyuan Woodcarving Craft Platform -- 1 Introduction -- 2 Related Research -- 3 Taoyuan Woodcarving Craft and Auspicious Culture -- 4 Taoyuan Woodcarving Auspicious Cultural Symbol Extraction -- 5 Reconstruction and Application of Auspicious Cultural Symbols in Furniture Design -- 5.1 Reconstruction and Design of Furniture Product Language Structure -- 5.2 Innovative Design on the Semantic Level of Furniture Products -- 5.3 Innovative Design at the Product Pragmatic Level -- 6 Conclusion -- References -- Strategies for Panel Sequence Segmentations in d-Comics -- 1 Introduction -- 2 Design of the Expert Review. 2.1 Materials.

Sommario/riassunto

This conference proceedings LNCS 12782 constitutes the refereed proceedings of the 9 th International Conference on Distributed, Ambient and Pervasive Interactions, DAPI 2021, held as part of the 23rd International Conference, HCI International 2021, which took place in July 2021. The conference was held virtually due to the COVID-19 pandemic. The total of 1276 papers and 241 posters included in the 39 HCII 2021 proceedings volumes was carefully reviewed and selected from 5222 submissions. The papers of DAPI 2021, Distributed, Ambient and Pervasive Interactions, are organized in topical sections named: Smart Cities; IoT, Sensors and Smart Environments; Learning and Culture in Intelligent Environments; Designing Intelligent Environments.