
Spam A Shadow History Of The Internet Infrastructures

Sebastian Giessmann



Spam A Shadow History Of The Internet Infrastructures:

Spam Finn Brunton, 2013 What spam is how it works and how it has shaped online communities and the Internet itself

Spam Finn Brunton, 2015-01-30 What spam is how it works and how it has shaped online communities and the Internet itself The vast majority of all email sent every day is spam a variety of idiosyncratically spelled requests to provide account information invitations to spend money on dubious products and pleas to send cash overseas Most of it is caught by filters before ever reaching an in box Where does it come from As Finn Brunton explains in *Spam* it is produced and shaped by many different populations around the world programmers con artists bots and their botmasters pharmaceutical merchants marketers identity thieves crooked bankers and their victims cops lawyers network security professionals vigilantes and hackers Every time we go online we participate in the system of spam with choices refusals and purchases the consequences of which we may not understand This is a book about what spam is how it works and what it means Brunton provides a cultural history that stretches from pranks on early computer networks to the construction of a global criminal infrastructure The history of spam Brunton shows us is a shadow history of the Internet itself with spam emerging as the mirror image of the online communities it targets Brunton traces spam through three epochs the 1970s to 1995 and the early noncommercial computer networks that became the Internet 1995 to 2003 with the dot com boom the rise of spam s entrepreneurs and the first efforts at regulating spam and 2003 to the present with the war of algorithms spam versus anti spam *Spam* shows us how technologies from email to search engines are transformed by unintended consequences and adaptations and how online communities develop and invent governance for themselves

Infrastructural Brutalism Michael Truscello, 2020-09-01 How drowned town literature road movies energy landscape photography and death train narratives represent the brutality of industrial infrastructures In this book Michael Truscello looks at the industrial infrastructure not as an invisible system of connectivity and mobility that keeps capitalism humming in the background but as a manufactured miasma of despair toxicity and death Truscello terms this infrastructural brutality a formulation that not only alludes to the historical nexus of infrastructure and the concrete aesthetic of Brutalist architecture but also describes the ecological political and psychological brutality of industrial infrastructures

Repairing Infrastructures Christopher R. Henke, Benjamin Sims, 2020-10-13 An investigation of the causes and consequences of the strange ambivalent and increasingly central role of infrastructure repair in modern life Infrastructures communication food transportation energy and information are all around us and their enduring function and influence depend on the constant work of repair In this book Christopher Henke and Benjamin Sims explore the causes and consequences of the strange ambivalent and increasingly central role of infrastructure repair in modern life Henke and Sims offer examples from local to global to investigate not only the role of repair in maintaining infrastructures themselves but also the social and political orders that are created and sustained through them Repair can encompass not only the kind of work we most commonly associate with the term but also any set of practices

aimed at restoring a sense of normalcy or credibility to the places and institutions we inhabit in everyday life From cases as diverse as the repair of building systems on a university campus a conflict over retrofitting a bridge while protecting murals painted on it and the global challenge posed by climate change Henke and Sims assemble a range of examples to illustrate key conceptual points about the role of repair They show that repair is an essential if often overlooked aspect of understanding the broader impact and politics of infrastructures Understanding repair helps us better understand infrastructures and the scope of their influence on our lives

The Connectivity of Things Sebastian

Giessmann, 2024-10-15 A media history of the material and infrastructural features of networking practices a German classic translated for the first time into English Nets hold connect and catch They ensnare bind and entangle Our social networks owe their name to a conceivably strange and ambivalent object But how did the net get into the network And how can it reasonably represent the connectedness of people things institutions signs infrastructures and even nature The Connectivity of Things by Sebastian Giessmann the first media history that addresses the overwhelming diversity of networks attempts to answer all these questions and more Reconstructing the decisive moments in which networking turned into a veritable cultural technique Giessmann takes readers below the street to the Parisian sewers and to the Suez Canal into the telephone exchanges of Northeast America and on to the London Underground His brilliant history explains why social networks were discovered late how the rapid rise of mathematical network theory was able to take place how improbable the invention of the internet was and even what diagrams and conspiracy theories have to do with it all A primer on networking as a cultural technique this translated German classic explains everything one ever could wish to know about networks

Data

Paradoxes Klaus Hoeyer, 2023-04-18 Why healthcare cannot and should not become data driven despite the many promises of intensified data sourcing In contemporary healthcare everybody seems to want more data of higher quality on more people and to use this data for a wider range of purposes In theory such pervasive data collection should lead to a healthcare system in which data can quickly efficiently and unambiguously be interpreted and provide better care for patients more efficient administration enhanced options for research and accelerated economic growth In practice however data are difficult to interpret and the many purposes often undermine one another In this book anthropologist and STS scholar Klaus Hoeyer offers an in depth look at the paradoxes surrounding healthcare data Focusing on Denmark a world leader in healthcare data infrastructures Hoeyer shares the perspectives of different stakeholders from epidemiologists to hospital managers from patients to physicians analyzing the social dynamics set in motion by data intensification and calling special attention to that which cannot be easily coded in a database HHe illustrates how data can be at once helpful overwhelming and sometimes disastrous through concrete examples The COVID 19 pandemic serves as a special closing case study that shows how these data paradoxes carry weighty political implications By revealing the diverse and sometimes contradictory practices spawned by intensified data sourcing Data Paradoxes raises vital questions about how we might better use healthcare data

Riding

the New York Subway Stefan Hohne, 2021-02-16 A history of New York subway passengers as they navigated the system's constraints while striving for individuality or at least a smooth ride When the subway first opened with much fanfare on October 27 1904 New York became a city of underground passengers almost overnight In this book Stefan Hohne examines how the experiences of subway passengers in New York City were intertwined with cultural changes in urban mass society throughout the twentieth century Hohne argues that underground transportation which early passengers found both exhilarating and distressing changed perceptions interactions and the organization of everyday life **Fragilities** Fernando Dominguez Rubio, Jerome Denis, David Pontille, 2025-04-29 An original essay collection that explores the generative dimensions of fragility which can help reveal new life affirming politics and ethics At a time when it may be easy to fall into a defeatist melancholia if not outright pessimism fragility offers an opportunity for a different kind of world making In *Fragilities* Fernando Dominguez Rubio Jerome Denis and David Pontille argue that we need to pay attention to the moments when the bodies things and worlds we inhabit begin to crack and reveal their fragility it is in these instabilities that we can gain precious access to alternative ways of being The essays in this collection explore how the work of care maintenance and repair compose with rather than struggle against fragilities Fragility forces us to reckon with the precariousness and contingency of life and to use this reckoning as a starting point to build and nurture life affirming politics and ethics The book explores fragility in four categories bodies environments labor and politics and proposes to consider in each situation what who is rendered visible what who is made absent what is considered normal and what is deemed strong and stable versus what is deemed fragile The volume includes a strong line up of leading and emerging scholars from a wide array of disciplines including anthropology social studies of science disabilities studies and sociology *Downtime on the Microgrid* Malcolm McCullough, 2020-03-31 Something good about the smart city a human centered account of why the future of electricity is local Resilience now matters most and most resilience is local even for that most universal foundational modern resource the electric power grid Today that technological marvel is changing more rapidly than it has for a lifetime and in our new grid awareness community microgrids have become a fascinating catalyst for cultural value change In *Downtime on the Microgrid* Malcolm McCullough offers a thoughtful counterpoint to the cascade of white papers on smart clean infrastructure Writing from an experiential perspective McCullough avoids the usual smart city futurism technological solutionism policy acronyms green idealism critical theory jargon and doomsday prepping to provide new cultural context for a subject long a favorite theme in science and technology studies McCullough describes the three eras of North American electrification innovation consolidation and decentralization He considers the microgrid boom and its relevance to the built environment as architecture's grid edge Finally he argues that resilience arises from clusters although a microgrid is often described as an island future resilience will require archipelagos clusters of microgrids with a two way intermittent connectiveness that is very different from the always on top down technofuture we may be expecting With *Downtime on the*

Microgrid McCullough rises above techno hype to find something good about the smart city and reassuring about local resilience

The Infrastructural South Jonathan Silver, 2023-10-10 An in depth look at the infrastructural landscape of Africa amid the third wave of urbanization drawing on case studies from Africa and extending further afield The Infrastructural South represents a major theoretical contribution to the study of infrastructure s role in the third wave of urbanization centered on Africa Based on over a decade of empirical research Silver s sweeping examination probes many of contemporary urbanism s most exciting and pressing issues through the lens of the Global South Focusing on Uganda Ghana and South Africa Silver s conceptually innovative chapters explore the way access to energy water sanitation transit and information technologies shape everyday life as they map the dynamic relations between cities technology and the environment Pushing readers to look at the wider worlds that suffuse urban systems this theoretical and geographical perspective treats Africa s rapidly transforming towns and cities as complex sites of disruption emancipation and contradiction In doing so it shows how the proliferating urbanisms and contested techno environments arise from shifting priorities in infrastructure planning politics and financing gaps As urban issues become a key twenty first century challenge for Africa Silver offers a comprehensive reworking of our understanding of urbanization The Infrastructural South rethinks how global scholarship approaches infrastructure laying pathways for future research at the intersection of technology environmental urbanism and urban politics

America by the Numbers Emmanuel Didier, 2020-04-07 How new techniques of quantification shaped the New Deal and American democracy When the Great Depression struck the US government lacked tools to assess the situation there was no reliable way to gauge the unemployment rate the number of unemployed or how many families had abandoned their farms to become migrants In America by the Numbers Emmanuel Didier examines the development in the 1930s of one such tool representative sampling Didier describes and analyzes the work of New Deal agricultural economists and statisticians who traveled from farm to farm in search of information that would be useful for planning by farmers and government agencies Didier shows that their methods were not just simple enumeration these new techniques of quantification shaped the New Deal and American democracy even as the New Deal shaped the evolution of statistical surveys Didier explains how statisticians had to become detectives and anthropologists searching for elements that would help them portray America as a whole Representative surveys were one of the most effective instruments for their task He examines pre Depression survey techniques the invention of the random sampling method and the development of the Master Sample and the application of random sampling by employment experts to develop the Trial Census of Unemployment

Machineries of Oil Katayoun Shafiee, 2023-08-15 The emergence of the international oil corporation as a political actor in the twentieth century seen in BP s infrastructure and information arrangements in Iran In the early twentieth century international oil corporations emerged as a new kind of political actor The development of the world oil industry argues Katayoun Shafiee was one of the era s largest political projects of techno

economic development In this book Shafiee maps the machinery of oil operations in the Anglo Iranian oil industry between 1901 and 1954 tracking the organizational work involved in moving oil through a variety of technical legal scientific and administrative networks She shows that in a series of disagreements the British controlled Anglo Iranian Oil Company AIOC which later became BP relied on various forms of information management to transform political disputes into techno economic calculation guaranteeing the company complete control over profits labor and production regimes She argues that the building of alliances and connections that constituted Anglo Iranian oil s infrastructure reconfigured local politics of oil regions and examines how these arrangements in turn shaped the emergence of both nation state and transnational oil corporation Drawing on her extensive archival and field research in Iran Shafiee investigates the surprising ways in which nature technology and politics came together in battles over mineral rights standardizing petroleum expertise formulas for calculating profits production rates and labor the Persianization of employees nationalism and oil nationalization and the long distance machinery of an international corporation Her account shows that the politics of oil cannot be understood in isolation from its technical dimensions The open access edition of this book was made possible by generous funding from Knowledge Unlatched

Beyond the Big Ditch Ashley Carse, 2014-10-31 A historical and ethnographic study of the conflict between global transportation and rural development as the two intersect at the Panama Canal In this innovative book Ashley Carse traces the water that flows into and out from the Panama Canal to explain how global shipping is entangled with Panama s cultural and physical landscapes By following container ships as they travel downstream along maritime routes and tracing rivers upstream across the populated watershed that feeds the canal he explores the politics of environmental management around a waterway that links faraway ports and markets to nearby farms forests cities and rural communities Carse draws on a wide range of ethnographic and archival material to show the social and ecological implications of transportation across Panama The Canal moves ships over an aquatic staircase of locks that demand an enormous amount of fresh water from the surrounding region Each passing ship drains 52 million gallons out to sea a volume comparable to the daily water use of half a million Panamanians Infrastructures like the Panama Canal Carse argues do not simply conquer nature they rework ecologies in ways that serve specific political and economic priorities Interweaving histories that range from the depopulation of the U S Canal Zone a century ago to road construction conflicts and water hyacinth invasions in canal waters the book illuminates the human and nonhuman actors that have come together at the margins of the famous trade route 2014 marks the 100th anniversary of the Panama Canal Beyond the Big Ditch calls us to consider how infrastructures are materially embedded in place producing environments with winners and losers

Letters, Power Lines, and Other Dangerous Things Ryan Ellis, 2020-03-03 An examination of how post 9 11 security concerns have transformed the public view and governance of infrastructure After September 11 2001 infrastructures the mundane systems that undergird much of modern life were suddenly considered soft targets that required immediate security enhancements Infrastructure

protection quickly became the multibillion dollar core of a new and expansive homeland security mission In this book Ryan Ellis examines how the long shadow of post 9 11 security concerns have remade and reordered infrastructure arguing that it has been a stunning transformation Ellis describes the way workers civic groups city councils bureaucrats and others used the threat of terrorism as a political resource taking the opportunity not only to address security vulnerabilities but also to reassert a degree of public control over infrastructure Nearly two decades after September 11 the threat of terrorism remains etched into the inner workings of infrastructures through new laws regulations technologies and practices Ellis maps these changes through an examination of three U S infrastructures the postal system the freight rail network and the electric power grid He describes for example how debates about protecting the mail from anthrax and other biological hazards spiraled into larger arguments over worker rights the power of large volume mailers and the fortunes of old media in a new media world how environmental activists leveraged post 9 11 security fears over shipments of hazardous materials to take on the rail industry and the chemical lobby and how otherwise marginal federal regulators parlayed new mandatory cybersecurity standards for the electric power industry into a robust system of accountability *Waste Is Information*

Dietmar Offenhuber, 2023-12-05 The relationship between infrastructure governance and the ways we read and represent waste systems examined through three waste tracking and participatory sensing projects Waste is material information Landfills are detailed records of everyday consumption and behavior much of what we know about the distant past we know from discarded objects unearthed by archaeologists and interpreted by historians And yet the systems and infrastructures that process our waste often remain opaque In this book Dietmar Offenhuber examines waste from the perspective of information considering emerging practices and technologies for making waste systems legible and how the resulting datasets and visualizations shape infrastructure governance He does so by looking at three waste tracking and participatory sensing projects in Seattle S o Paulo and Boston Offenhuber expands the notion of urban legibility the idea that the city can be read like a text to introduce the concept of infrastructure legibility He argues that infrastructure governance is enacted through representations of the infrastructural system and that these representations stem from the different stakeholders interests which drive their efforts to make the system legible The Trash Track project in Seattle used sensor technology to map discarded items through the waste and recycling systems the Forager project looked at the informal organization processes of waste pickers working for Brazilian recycling cooperatives and mobile systems designed by the city of Boston allowed residents to report such infrastructure failures as potholes and garbage spills Through these case studies Offenhuber outlines an emerging paradigm of infrastructure governance based on a complex negotiation among users technology and the city **Underground** Blake Atwood, 2021-09-28 How Iranians forged a vibrant informal video distribution infrastructure when their government banned all home video technology in 1983 In 1983 the Iranian government banned the personal use of home video technology In *Underground* Blake Atwood recounts how in response to the ban technology enthusiasts

cinephiles entrepreneurs and everyday citizens forged an illegal but complex underground system for video distribution Atwood draws on archival sources including trade publications newspapers memoirs films and laws but at the heart of the book lies a corpus of oral history interviews conducted with participants in the underground He argues that videocassettes helped to institutionalize the broader underground within the Islamic Republic As Atwood shows the videocassette underground reveals a great deal about how people construct vibrant cultures beneath repressive institutions It was not just that Iranians gained access to banned movies but rather that they established routes acquired technical knowledge broke the law and created rituals by passing and trading plastic videocassettes As material objects the videocassettes were a means of negotiating the power of the state and the agency of its citizens By the time the Ministry of Culture and Islamic Guidance lifted the ban in 1994 millions of videocassettes were circulating efficiently and widely throughout the country The very presence of a video underground signaled the failure of state policy to regulate media Embedded in the informal infrastructure even in the videocassettes themselves was the triumph of everyday people over the state

The Imposter as Social Theory Steve Woolgar,Else Vogel,David Moats,Claes-Fredrik Helgesson,2022-08 Edited by expert scholars this volume explores the imposter through empirical cases including click farms bikers business leaders and fraudulent scientists providing insights into the social relations and cultural forms from which they emerge

Borders as Infrastructure Huub Dijstelbloem,2021-08-17 An investigation of borders as moving entities that influence our notions of territory authority sovereignty and jurisdiction In *Borders as Infrastructure* Huub Dijstelbloem brings science and technology studies as well as the philosophy of technology to the study of borders and international human mobility Taking Europe s borders as a point of departure he shows how borders can transform and multiply and how they can mark conflicts over international orders Borders themselves are moving entities he claims and with them travel our notions of territory authority sovereignty and jurisdiction The philosophies of Bruno Latour and Peter Sloterdijk provide a framework for Dijstelbloem s discussion of the material and morphological nature of borders and border politics Dijstelbloem offers detailed empirical investigations that focus on the so called migrant crisis of 2014 2016 on the Greek Aegean Islands of Chios and Lesbos the Europe surveillance system Eurosur border patrols at sea the rise of hotspots and humanitarian borders the technopolitics of border control at Schiphol International Airport and the countersurveillance by NGOs activists and artists who investigate infrastructural border violence Throughout Dijstelbloem explores technologies used in border control including cameras databases fingerprinting visual representations fences walls and monitoring instruments Borders can turn places routes and territories into zones of death Dijstelbloem concludes that Europe s current relationship with borders renders borders and Europe itself an extreme infrastructure obsessed with boundaries and limits

Monitoring Movements in Development Aid Casper Bruun Jensen,Brit Ross Winthereik,2013-08-30 An examination of emerging information infrastructures that are intended to increase accountability and effectiveness in partnerships for development aid In *Monitoring Movements in Development Aid*

Casper Jensen and Brit Winthereik consider the processes social practices and infrastructures that are emerging to monitor development aid discussing both empirical phenomena and their methodological and analytical challenges Jensen and Winthereik focus on efforts by aid organizations to make better use of information technology they analyze a range of development aid information infrastructures created to increase accountability and effectiveness They find that constructing these infrastructures is not simply a matter of designing and implementing technology but entails forging new platforms for action that are simultaneously imaginative and practical conceptual and technical After presenting an analytical platform that draws on science and technology studies and the anthropology of development Jensen and Winthereik present an ethnography based analysis of the mutually defining relationship between aid partnerships and infrastructures the crucial role of users both actual and envisioned in aid information infrastructures efforts to make aid information dynamic and accessible existing monitoring activities of an environmental NGO and national level performance audits which encompass concerns of both external control and organizational learning Jensen and Winthereik argue that central to the emerging movement to monitor development aid is the blurring of means and ends aid information infrastructures are both technological platforms for knowledge about aid and forms of aid and empowerment in their own right

De Gruyter Handbook of Digital Cultures Grant Bollmer, Katherine Guinness, Yiğit Soncul, 2025-09-22 As Digital Cultures becomes the dominant term used by many across a variety of intellectual fields to describe the social aesthetic and political impact of digital media it is necessary to provide a reference volume that specifies and defines the bounds of scholarly debates and curricular outlines for an otherwise amorphous interdisciplinary space This handbook provides a comprehensive reference for the varied methodologies historical frames and theoretical perspectives essential for the study of Digital Cultures today In outlining these foundations it serves as a practical guide for educators and students into the broad range of perspectives grouped together for the critical historical and social scientific study of digital media It also looks into the future and outlines an agenda for future research by examining not only the origins of the concept of Digital Culture but emerging topics and themes still in development such as the relation between digital technology and climate change artificial intelligence and knowledge sensation and aesthetics and the rise of new infrastructures reinventing not only the built environment but the boundaries of nations and sovereignty

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