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The Cyberiad *Houghton Mifflin Harcourt* Trurl and Klaupacius are constructor robots who try to out-invent each other. They travel to the far corners of the cosmos to take on freelance problem-solving jobs, with dire consequences for their employers. “The most completely successful of his books... here Lem comes closest to inventing a real universe” (Boston Globe). Illustrations by Daniel Mr—z. Translated by Michael Kandel. The Cyberiad Fables for the Cybernetic Age Lemography Stanislaw Lem in the Eyes of the World *Liverpool Science Fiction Text* A unique collection of critical essays on writer and philosopher Stanislaw Lem, evaluating his influence on twentieth-century literature and culture. Fundamentals of Materials for Energy and Environmental Sustainability *Cambridge University Press* How will we meet rising energy demands? What are our options? Are there viable long-term solutions for the future? Learn the fundamental physical, chemical and materials science at the heart of: • Renewable/non-renewable energy sources • Future transportation systems • Energy efficiency • Energy storage Whether you are a student taking an energy course or a newcomer to the field, this textbook will help you understand critical relationships between the environment, energy and sustainability. Leading experts provide comprehensive coverage of each topic, bringing together diverse subject matter by integrating theory with engaging insights. Each chapter includes helpful features to aid understanding, including a historical overview to provide context, suggested further reading and questions for discussion. Every subject is beautifully illustrated and brought to life with full color images and color-coded sections for easy browsing, making this a complete educational package. Fundamentals of Materials for Energy and Environmental Sustainability will enable today's scientists and educate future generations. Marine Renewable Energy Handbook *John Wiley & Sons* Marine renewable energy is a significant resource for generating electricity, and if some conversion technologies have already reached a certain level of maturity, others are emerging. The originality of this multidisciplinary book is to offer a broad spectrum of knowledge from academic and industry experts of various origins. It deals with general aspects such as the specificities and constraints of the marine environment, the concepts of hydrodynamics and ocean engineering, as well as the industrial and economic sides necessary for the assembly of projects. It also discusses conversion technologies such as offshore wind, tidal power plants, tidal stream turbines, wave energy converters and ocean thermal energy plants. Finally, two chapters are devoted to power electronic conversion and power transmission cables. Computational Science and Its Applications -- ICCSA 2013 13th International Conference, Ho Chi Minh City, Vietnam, July 24-27, 2013, Proceedings, Part II *Springer* The five-volume set LNCS 7971-7975 constitutes the refereed proceedings of the 13th International Conference on Computational Science and Its Applications, ICCSA 2013, held in Ho Chi Minh City, Vietnam, in June 2013. Apart from the general track, ICCSA 2013 also include 33 special sessions and workshops, in various areas of computational sciences, ranging from computational science technologies, to specific areas of computational sciences, such as computer graphics and virtual reality. There are 46 papers from the general track, and 202 in special sessions and workshops. Return from the Stars *MIT Press* An astronaut returns to Earth after a ten-year mission and finds a society that he barely recognizes. Stanislaw Lem's Return from the Stars recounts the experiences of Hal Bregg, an astronaut who returns from an exploratory mission that lasted ten years—although because of time dilation, 127 years have passed on Earth. Bregg finds a society that he hardly recognizes, in which danger has been eradicated. Children are “betriated” to remove all aggression and violence—a process that also removes all impulse to take risks and explore. The people of Earth view Bregg and his crew as “resuscitated Neanderthals,” and pressure them to undergo betriation. Bregg has serious difficulty in navigating the new social mores. While Lem's depiction of a risk-free society is bleak, he does not portray Bregg and his fellow astronauts as heroes. Indeed, faced with no opposition to his aggression, Bregg behaves abominably. He is faced with a choice: leave Earth again and hope to return to a different society in several hundred years, or stay on Earth and learn to be content. With Return from the Stars, Lem shows the shifting boundaries between utopia and dystopia. Memoirs Found in a Bathtub Depicts a future America where a Uranian virus threatens the destruction of all paper. The Invincible *MIT Press* A space cruiser, in search of its sister ship, encounters beings descended from self-replicating machines. In the grand tradition of H. G. Wells and Jules Verne, Stanislaw Lem's The Invincible tells the story of a space cruiser sent to an obscure planet to determine the fate of a sister spaceship whose communication with Earth has abruptly ceased. Landing on the planet Regis III, navigator Rohan and his crew discover a form of life that has apparently evolved from autonomous, self-replicating machines—perhaps the survivors of a “robot war.” Rohan and his men are forced to confront the classic quandary: what course of action can humanity take once it has reached the limits of its knowledge? In The Invincible, Lem has his characters confront the inexplicable and the bizarre: the problem that lies just beyond analytical reach. Fiasco *HMH* “A stunningly inventive fantasy about cosmic travel” from the Kafka Prize-winning author of Solaris (The New York Times). The Hermes explorer ship represents the epitome of Earth's excellence: a peaceful mission sent forth to make first contact with an alien civilization, and to use the expansive space technology developed by humanity to seek new worlds, friendships, and alliances. But what its crew discovers on the planet Quinta is nothing like they had hoped. Locked in a seemingly endless cold war among themselves, the Quintans are uncommunicative and violent, refusing any discourse—except for the firing of deadly weapons. The crew of the Hermes is determined to accomplish what they had set out to do. But the cost of learning the secrets hidden on the silent surface of Quinta may be grave. Stark, startling, and insightful, Fiasco has been praised by Publishers Weekly as “one of Lem's best novels.” It is classic, thought-provoking hard science fiction, as prescient today as when it was first written. Eden *Harcourt* Six men crash-land on a planet in another solar system and, in an attempt to communicate with its inhabitants, they encounter violence and human cruelty The Star Diaries *Penguin Classics* Stanislaw Lem's set of short stories, written over a period of twenty years, all feature the adventures of space traveller Ijon Tichy and recount him spinning in time-warps, spying on robots, encountering bizarre civilizations and creatures in space and being hopelessly lost in a forest of supernovae. This is a philosophical satire on technology, theology, intelligence and human nature from one of the greatest of science fiction writers Proceedings September 18 - 22, 2005 in Berlin ; www.intelec2005.de *Margret Schneider* The Futurological Congress (from the Memoirs of Ijon Tichy). Highcastle A Remembrance *MIT Press* A playful, witty, reflective memoir of childhood by the science fiction master Stanislaw Lem. With Highcastle, Stanislaw Lem offers a memoir of his childhood and youth in prewar Lvov. Reflective, artful, witty, playful—“I was a monster,” he observes ruefully—this lively and charming book describes a youth spent reading voraciously (he was especially interested in medical texts and French novels), smashing toys, eating pastries, and being terrorized by insects. Often lonely, the young Lem believed that he could communicate with household objects—perhaps anticipating the sentient machines in the adult Lem's novels. Lem reveals his younger self to be a dreamer, driven by an unbridled imagination and boundless curiosity. In the course of his reminiscing, Lem also ponders the nature of memory, innocence, and the imagination. Highcastle (the title refers to a nearby ruin) offers the portrait of a writer in his formative years. Dialogues *MIT Press* The first English translation of a nonfiction work by Stanislaw Lem, which was “conceived under the spell of cybernetics” in 1957 and updated in 1971. In 1957, Stanislaw Lem published Dialogues, a book “conceived under the spell of cybernetics,” as he wrote in the preface to the second edition. Mimicking the form of Berkeley's Three Dialogues between Hylas and Philonous, Lem's original dialogue was an attempt to unravel the then-novel field of cybernetics. It was a testimony, Lem wrote later, to “the almost limitless cognitive optimism” he felt upon his discovery of cybernetics. This is the first English translation of Lem's Dialogues, including the text of the first edition and the later essays added to the second edition in 1971. For the second edition, Lem chose not to revise the original. Recognizing the naivete of his hopes for cybernetics, he constructed a supplement to the first dialogue, which consists of two critical essays, the first a summary of the evolution of cybernetics, the second a contribution to the cybernetic theory of the “sociopathology of governing,” amending the first edition's discussion of the pathology of social regulation; and two previously published articles on related topics. From the vantage point of 1971, Lem observes that original book, begun as a search for methods “that would increase our understanding of both the human and nonhuman worlds,” was in the end “an expression of the cognitive curiosity and anxiety of modern thought.” The Futurological Congress *Penguin Classics* This Room Guaranteed Bomb-Free. From the Management' Hapless cosmonaut Ijon Tichy has been sent back to earth to attend the Eighth Futurological Congress in smog-bound, overpopulated Costa Rica, holed up with an assortment of scientists in a luxury hotel (fully equipped with tear gas sprinklers in case things get out of hand). But when an unfortunate incident occurs involving a revolution and hallucinogenic drugs in the water supply, Tichy finds himself shot, frozen and thawed out in a future beyond anything he could ever have imagined. Modeling Creativity Case Studies in Python *University Press Antwerp* Modeling Creativity (doctoral thesis, 2013) explores how creativity can be represented using computational approaches. Our aim is to construct computer models that exhibit creativity in an artistic context, that is, that are capable of generating or evaluating an artwork (visual or linguistic), an interesting new idea, a subjective opinion. The research was conducted in 2008-2012 at the Computational Linguistics Research Group (CLIPS, University of Antwerp) under the supervision of Prof. Walter Daelemans. Prior research was also conducted at the Experimental Media Research Group (EMRG, St. Lucas University College of Art & Design Antwerp) under the supervision of Lucas Nijs. Modeling Creativity examines creativity in a number of different perspectives: from its origins in nature, which is essentially blind, to humans and machines, and from generating creative ideas to evaluating and learning their novelty and usefulness. We will use a hands-on approach with case studies and examples in the Python programming language. The Truth and Other Stories *MIT Press* Twelve stories by science fiction master Stanislaw Lem, nine of them never before published in English. Of these twelve short stories by science fiction master Stanislaw Lem, only three have previously appeared in English, making this the first “new” book of fiction by Lem since the late 1980s. The stories display the full range of Lem's intense curiosity about scientific ideas as well as his sardonic approach to human nature, presenting as multifarious a collection of mad scientists as any reader could wish for. Many of these stories feature artificial intelligences or artificial life forms, long a Lem preoccupation; some feature quite insane theories of cosmology or evolution. All are thought provoking and scathingly funny. Written from 1956 to 1993, the stories are arranged in chronological order. In the title story, “The Truth,” a scientist in an insane asylum theorizes that the sun is alive; “The Journal” appears to be an account by an omnipotent being describing the creation of infinite universes—until, in a classic Lem twist, it turns out to be no such thing; in “An Enigma,” beings debate whether offspring can be created without advanced degrees and design templates. Other stories feature a computer that can predict the future by 137 seconds, matter-destroying spores, a hunt in which the prey is a robot,

and an electronic brain eager to go on the lam. These stories are peak Lem, exploring ideas and themes that resonate throughout his writing. **The Form of the Book** *Essays on the Morality of Good Design* Point Roberts, Wash. ; Vancouver, B.C. : Hartley & Marks **A Perfect Vacuum** *Northwestern University Press* In a perfect vacuum, Stanislaw Lem presents a collection of book reviews of nonexistent works of literature - works that, in many cases, could not possibly be written. Embracing postmodernism's "games for games' sake" ethos, Lem joins the contest with hilarious and grotesque results. Most of the "reviews" target the postmodern infatuation with antinarratives by lampooning their self-indulgence and exploiting their mannerisms. Lem exposes the limits of postmodern fiction, showing how its studious self-consciousness frequently conceals intellectual paucity. Beginning with a review of his own book, Lem moves on to tackle (or create pastiches of) the French new novel, James Joyce, pornography, authorless writing, and Dostoevsky, while at the same time ranging across scientific topics, from cosmology to the pervasiveness of computers. **The Art and Science of Stanislaw Lem** *McGill-Queen's Press - MQUP* Leading scholars examine the social and cultural significance of technology and science in the work of Stanislaw Lem, the author of *Solaris*. **Humanoids Presents - The Jodoverse** *Humanoids Inc* A peek into the mind-blowing works of Alexandro Jodorowsky! **Imaginary Magnitude** *Harcourt on Demand* This collection of futuristic prefaces to books of the twenty-first century ranges from the scientific to computer-generated literature **Microworlds** *HMH* The author of *Solaris* critiques science fiction in a collection of provocative essays. Celebrated science fiction master Stanislaw Lem turns his always sharp and insightful pen to criticism in this bold and controversial analysis of the genre for which he is most known. In this collection of ten essays—ranging from an introspective examination of his own biographical and literary history to biting scrutiny of fellow authors and their works—Lem takes a keen look at the influence, shortcomings, merit, and importance of science fiction, touching on topics from Philip K. Dick (“a genius among the charlatans”) to time travel, cosmology, and Jorge Luis Borges. Whether deriding the genre's tendency to adhere to well-worn patterns of adventure or lauding its ability to, when executed correctly, discover ideas that have not been thought of or done before, Lem's quick wit, razor tongue, and impeccable insights make *Microworlds* a master class of scientific and literary analysis from one of the undisputed legends of science fiction. **The Icarus Hunt** *A Novel Spectra* From Timothy Zahn, Hugo Award winner and New York Times bestselling author of two landmark *Star Wars*® series, comes an original new tale featuring a renegade space pilot, his unusual alien partner, and an unknown cargo that can change the course of galactic history. Jordan McKell has a problem with authority. Unfortunately for him, the iron-fisted authority of the powerful Patthaaunth controls virtually every aspect of galactic shipping. In order to survive, Jordan ekes out a living dabbling in interstellar smuggling for outlaw concerns that represent the last vestiges of free trade in the galaxy. So when Jordan and his partner, Ixil—an alien with two ferret-like "outhunters" linked to his neural system—are hired by a mysterious gentleman to fly a ship and its special cargo to Earth, they jump at the job. Caution has never been one of Jordan's strong suits. But this time he may have taken on more than even he can handle. The ship, *Icarus*, turns out to be a ramshackle hulk, the ragtag crew literally picked up off the street, and the cargo so secret, it's sealed in a special container that takes up most of the cramped and ill-designed ship. As if that weren't bad enough, it looks like the authorities already suspect something is afoot, there's a saboteur aboard, and the *Icarus* appears to be shaking apart at the seams. It doesn't seem as if things could get any worse. That is, until a beautiful crew member helps McKell uncover the true nature of the cargo he's carrying. With his enemies closing in on the lumbering *Icarus*, the unknown saboteur still aboard, and authorities on Earth pressured to turn them in, McKell and Ixil become fugitives. Their only chance is to stay one step ahead of their pursuers as they try to make it home. A bold and epic novel filled with unrelenting action and a good dose of humor, *The Icarus Hunt* is a wild hyperspace romp through the galaxy. **The Seventh Voyage** *Graphix* In this graphic adaptation of a story by Stanislaw Lem, a meteoroid damages astronaut and space traveller Ijon's spaceship, and he finds himself caught in a time loop, contending with past and future versions of himself. **Journal of Propulsion and Power War with the Newts** *UNESCO* Originally written in 1936, two years before Capek's death and three years before the Nazi invasion of Czechoslovakia, *War with the Newts* is considered by many to be Capek's greatest book. Working in the "fantastic" satiric tradition of Wells, Orwell, and Vonnegut, Capek chronicles the discovery of a colony of highly intelligent giant salamanders off the coast of an Indonesian island. Capek sardonically details all the reactions of the civilized world - from horror to skepticism, from intellectual fascination to mercantile opportunism - and the ultimate destruction from which it (and the newts) might not escape. **Peace on Earth** *A Novel HMH* Robot armies, an arms race in space, and a brain at war with itself add up to “a futuristic version of Dr. Jekyll and Mr. Hyde” (*The Boston Phoenix*). Anxious to avoid a war that would destroy the entire planet, the major powers of Earth have come to an ingenious compromise. Each country sends a force of adaptable, self-programming robots to the surface of the moon to play out the conflict there and, hopefully, reach a mutually agreeable stalemate. But when the robots stop responding, it is up to Ijon Tichy to travel to the lunar war zone and discover what went wrong. Tichy finds what he needs to know, but falls victim to an attack that severs the left and right sides of his brain: one of which knows nothing about the status of the moon, the other of which isn't telling. Now Tichy finds himself at the center of a new sort of war of attrition, with each world power clamoring for his knowledge and each half of his stubborn brain clamoring for control. Wry and action-packed in equal measure, Stanislaw Lem's absurd, insightful sendup of the Cold War is required reading for any fan of science fiction. Here, “humor and a breathless pace create a delightful and thought-provoking read” (*Publishers Weekly*). **Embodied Communication in Humans and Machines** *Oxford University Press* Communication is not just about the transfer of verbal information. Gestures, facial expressions, intonation and body language are all major sources of information during conversation. This book presents a new perspective on communication, one that will help us to better understand humans, and also to build machines that can communicate. **River of Gods** *Hachette UK* August 15th, 2047. Happy Hundredth Birthday, India ... On the eve of Mother India's hundredth birthday, ten people are doing ten very different things. In the next few weeks, all these people will be swept together to decide the fate of the nation. From gangsters to government advisors, from superstitious street-boys to scientists to computer-generated soap stars, *River of Gods* shows a civilization in flux - a river of gods. **RIVER OF GODS** is an epic SF novel as sprawling, vibrant and colourful as the sub-continent it describes. This is an SF novel that blew apart the narrow Anglo and US-centric concerns of the genre and ushered in a new global consciousness for the genre. **The Cybernetics Moment Or Why We Call Our Age the Information Age** *JHU Press* Cybernetics—the science of communication and control as it applies to machines and to humans—originates from efforts during World War II to build automatic anti-aircraft systems. Following the war, this science extended beyond military needs to examine all systems that rely on information and feedback, from the level of the cell to that of society. In *The Cybernetics Moment*, Ronald R. Kline, a senior historian of technology, examines the intellectual and cultural history of cybernetics and information theory, whose language of "information," "feedback," and "control" transformed the idiom of the sciences, hastened the development of information technologies, and laid the conceptual foundation for what we now call the Information Age. Kline argues that, for about twenty years after 1950, the growth of cybernetics and information theory and ever-more-powerful computers produced a utopian information narrative—an enthusiasm for information science that influenced natural scientists, social scientists, engineers, humanists, policymakers, public intellectuals, and journalists, all of whom struggled to come to grips with new relationships between humans and intelligent machines. Kline traces the relationship between the invention of computers and communication systems and the rise, decline, and transformation of cybernetics by analyzing the lives and work of such notables as Norbert Wiener, Claude Shannon, Warren McCulloch, Margaret Mead, Gregory Bateson, and Herbert Simon. Ultimately, he reveals the crucial role played by the cybernetics moment—when cybernetics and information theory were seen as universal sciences—in setting the stage for our current preoccupation with information technologies. **Strange Attractors** *Poems of Love and Mathematics A K Peters/CRC Press* **Strange Attractors** is a collection of approximately 150 poems with strong links to mathematics in content, form, or imagery. The common theme is love, and the editors draw from its various manifestations—romantic love, spiritual love, humorous love, love between parents and children, mathematicians in love, love of mathematics. The poets include literary masters as well as celebrated mathematicians and scientists. "What, after all, is mathematics but the poetry of the mind, and what is poetry but the mathematics of the heart?" So wrote the American mathematician and educator David Eugene Smith. In a similar vein, the German mathematician Karl Weierstrass declared, "A mathematician who is not at the same time something of a poet will never be a full mathematician." Most mathematicians will know what they meant. But what do professional poets think of mathematics? In this delightful collection, the editors present the view of the same terrain—the connections between mathematics and poetry—from the other side of the equation: the poets. Now is your chance to see if the equation balances. —Keith Devlin, mathematician, Stanford University, and author of *The Math Gene*, *The Math Instinct*, and *The Language of Mathematics* **Slip Naked in Your Own Words** *SLIP* is a book of portraits examining what it means to be naked as a profession, told in the words of the subjects themselves. It features a wide array of performers, models, actors, artists, designers, doms and dancers photographed by Allan Amato, with art and typography by creative raconteur David Mack. Is there anything more celebrated, or more reviled, than the naked human form? Is there anything as timeless or as ubiquitous? From high art to commercial advertisement to pornography, the world around us is saturated with the evidence that the human mind is obsessed with the human body. In Allan Amato's own words... "Three years ago, I began an informal nude series, featuring models, artists and performers I'd worked with and befriended in LA. My goal was to create a non-presentational kind of image that can't simply be objectified and dismissed. I wanted to explore something slippery, feral, harder to define. And as a person wholly committed to covering behind the camera, I desperately wanted to know more about their motivation, their story. "For those who brave the risk of being vulnerable on camera, the negative aspect of this experience is omnipresent: the shaming, judgement, stigma that is all too often deemed acceptable to level at those who express themselves via the medium of their bodies. "But there must be a positive element as well; otherwise why do it at all? And while confronting the darker side is necessary and important, I'd rather the beauty not get wholly overshadowed. The result is a book dedicated to unravelling the complicated relationship we have to nudity, self-expression and commerce." **The Mind Thing** *Hachette UK* "HE" was really an "IT" He was incapable of love or mercy, or hate. And he certainly never felt the lack. He was almost pure thought. He was just doing what he had to do - looking for the right body to play host to him. Once he found it and moved in, he would execute one of the most incredible plans ever conceived. He would be hailed as a hero on his own planet and... **EARTH WOULD NEVER KNOW WHAT HIT IT!** *Narrative Space and Time Representing Impossible Topologies in Literature Routledge* Space is a central topic in cultural and narrative theory today, although in most cases theory assumes Newtonian absolute space. However, the idea of a universal homogeneous space is now obsolete. Black holes, multiple dimensions, quantum entanglement, and spatio-temporal distortions of relativity have passed into culture at large. This book examines whether narrative can be used to represent these "impossible" spaces. Impossible topologies abound in ancient mythologies, from the Australian Aborigines' "dream-time" to the multiple-layer universe of the Sumerians. More recently, from Alice's adventures in Wonderland to contemporary science fiction's obsession with black holes and quantum paradoxes, counter-intuitive spaces are a prominent feature of modern and postmodern narrative. With the rise and popularization of science fiction, the inventiveness and variety of impossible narrative spaces explodes. The author analyses the narrative techniques used to represent such spaces alongside their cultural significance. Each chapter connects narrative deformation of space with historical problematic of time, and demonstrates the cognitive and perceptual primacy of narrative in representing, imagining and apprehending new forms of space and time. This book offers a comprehensive analysis of the connection between narratology, cultural theory, science fiction, and studies of place. **Adventures in Group Theory** *Rubik's Cube, Merlin's Machine, and Other Mathematical Toys JHU Press* Featuring strategies for solving the puzzles and computations illustrated using the SAGE open-source computer algebra system, the second edition of *Adventures in Group Theory* is perfect for mathematics enthusiasts and for use as a supplementary textbook. **Computational Science and Its Applications -- ICCSA 2013 13th International Conference, ICCSA 2013, Ho Chi Minh City, Vietnam, June 24-27, 2013, Proceedings, Part V** *Springer* The five-volume set *LNCS 7971-7975* constitutes the refereed proceedings of the 13th International Conference on Computational Science and Its Applications, ICCSA 2013, held in Ho Chi

Minh City, Vietnam in June 2013. The 248 revised papers presented in five tracks and 33 special sessions and workshops were carefully reviewed and selected. The 46 papers included in the five general tracks are organized in the following topical sections: computational methods, algorithms and scientific applications; high-performance computing and networks; geometric modeling, graphics and visualization; advanced and emerging applications; and information systems and technologies. The 202 papers presented in special sessions and workshops cover a wide range of topics in computational sciences ranging from computational science technologies to specific areas of computational sciences such as computer graphics and virtual reality. *The Three Electroknights* Penguin UK 'What use to a being that lives beneath a sun are jewels of gas and silver stars of ice?' From a giant of twentieth-century science fiction, these four miniature space epics feature crazy inventors, surreal worlds, robot kings and madcap machines. *Penguin Modern: fifty new books* celebrating the pioneering spirit of the iconic Penguin Modern Classics series, with each one offering a concentrated hit of its contemporary, international flavour. Here are authors ranging from Kathy Acker to James Baldwin, Truman Capote to Stanislaw Lem and George Orwell to Shirley Jackson; essays radical and inspiring; poems moving and disturbing; stories surreal and fabulous; taking us from the deep South to modern Japan, New York's underground scene to the farthest reaches of outer space.