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Analysis for Power Quality

Monitoring Juan-José González de la Rosa 2020-05-22 We are immersed in the so-called digital energy network, continuously introducing new technological advances for a better way of

life. Numerous emerging words

are in the spotlight, namely:

Internet of Things (IoT), Big Data, Smart Cities, Smart Grid, Industry 4.0, etc. To achieve this formidable goal, systems should work more efficiently, and this fact inevitably leads to

power quality (PQ) assurance. Apart from its economic losses, a bad PQ implies serious risks for machines, and consequently for people. Many researchers are endeavoring to develop new analysis techniques, instruments, measurement methods, and new indices and norms that match and fulfil the requirements regarding the current operation of the electrical network. This book offers a compilation of the some recent advances in this field. The chapters range from computing issues to technological implementations, going through event detection strategies and new indices and measurement methods that

contribute significantly to the advancement of PQ analysis. Experiments have been developed within the frames of research units and projects, and deal with real data from industry and public buildings. Human beings have an unavoidable commitment with sustainability, which implies adapting PQ monitoring techniques to our dynamic world, defining a digital and smart concept of quality for electricity.

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recent Australian music history.

Amanda Harris presents accounts of Aboriginal music and dance by Aboriginal performers on public stages.

Harris also historicizes the practices of non-Indigenous art music composers evoking Aboriginal music in their works, placing this in the context of emerging cultural institutions and policy frameworks.

Centralizing auditory worlds and audio-visual evidence, Harris shows the direct relationship between the limits on Aboriginal people's mobility and non-Indigenous representations of Aboriginal culture. This book seeks to listen to Aboriginal accounts of disruption and

continuation of Aboriginal cultural practices and features contributions from Aboriginal scholars Shannon Foster, Tiriki Onus and Nardi Simpson as personal interpretations of their family and community histories.

Contextualizing recent music and dance practices in broader histories of policy, settler colonial structures, and postcolonizing efforts, the book offers a new lens on the development of Australian musical cultures.

Singapore Weekly 5 X 8 Planner 2019 Mason Landon
2018-09-14 Fill your upcoming 2019, with 12 months of Singapore weekly calendar planner. Plan out a year in

advance.

My Planner 2019 Petly Books

2018-12-06 Cute Siberian

Husky Dog - 2019 Weekly

Planner A beautifully designed weekly planner, for yourself or a

friend to keep organized for 12 months. Great gift dog lovers in

need of a planner for personal use, work or school. Product

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or friends for their Birthday or

for Christmas. Make sure to

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other Journal ideas.

Design and Development of

Efficient Energy Systems Suman

Lata Tripathi 2021-03-16 There

is not a single industry which

will not be transformed by

machine learning and Internet

of Things (IoT). IoT and

machine learning have

altogether changed the

technological scenario by letting

the user monitor and control

things based on the prediction

made by machine learning

algorithms. There has been

substantial progress in the

usage of platforms,

technologies and applications

that are based on these

technologies. These

breakthrough technologies

affect not just the software

perspective of the industry, but they cut across areas like smart cities, smart healthcare, smart retail, smart monitoring, control, and others. Because of these “game changers,” governments, along with top companies around the world, are investing heavily in its research and development. Keeping pace with the latest trends, endless research, and new developments is paramount to innovate systems that are not only user-friendly but also speak to the growing needs and demands of society. This volume is focused on saving energy at different levels of design and automation including the concept of

machine learning automation and prediction modeling. It also deals with the design and analysis for IoT-enabled systems including energy saving aspects at different level of operation. The editors and contributors also cover the fundamental concepts of IoT and machine learning, including the latest research, technological developments, and practical applications. Valuable as a learning tool for beginners in this area as well as a daily reference for engineers and scientists working in the area of IoT and machine technology, this is a must-have for any library. South Africa International

Monetary Fund. African Dept. 2020-01-30 This 2019 Article IV Consultation with South Africa discusses that subdued private investment and exports, and increased uncertainty have depressed growth and worsened social indicators. State-owned enterprises' (SOEs) risks are materializing, triggering government bailouts of Eskom and administrative intervention in other entities. High fiscal deficits have boosted debt. Nonresident investors are shedding equities and local currency bonds but showing appetite for foreign currency sovereign bonds amid supportive global financing conditions. The external position

is moderately weaker than implied by fundamentals and desirable policies. Inflation has slowed to around the mid-point of the target band, aided by one-off factors, but inflation expectations are higher. Banks are sound, albeit with pockets of vulnerabilities. In the absence of fiscal space, a gradual and growth-friendly fiscal consolidation and increased spending efficiency are needed. The authorities should establish a credible debt anchor to stabilize debt in the medium term. Given the structural nature of the growth slowdown, the consolidation should be accompanied by reforms that reduce the cost of doing

business and boost private investment.

Analyzing Financial Data and Implementing Financial Models Using R Clifford S. Ang
2021-06-23 This advanced undergraduate/graduate textbook teaches students in finance and economics how to use R to analyse financial data and implement financial models. It demonstrates how to take publically available data and manipulate, implement models and generate outputs typical for particular analyses. A wide spectrum of timely and practical issues in financial modelling are covered including return and risk measurement, portfolio management, option pricing and

fixed income analysis. This new edition updates and expands upon the existing material providing updated examples and new chapters on equities, simulation and trading strategies, including machine learnings techniques. Select data sets are available online.

Weekly Planner 2019, 12 Months January - December 2019: Hot Pink Cabana Stripe Agenda Book, 2019 Splendid Planner Splendid Planners

2018-09-17 **The Perfect 2019 Weekly Planner**

Engineering Fluid Dynamics 2019-2020 Bjørn H. Hjertager

2021-02-25 This book contains the successful submissions to a **Special Issue of Energies**

entitled “Engineering Fluid Dynamics 2019–2020”. The topic of engineering fluid dynamics includes both experimental and computational studies. Of special interest were submissions from the fields of mechanical, chemical, marine, safety, and energy engineering. We welcomed original research articles and review articles. After one-and-a-half years, 59 papers were submitted and 31 were accepted for publication. The average processing time was about 41 days. The authors had the following geographical distribution: China (15); Korea (7); Japan (3); Norway (2); Sweden (2); Vietnam (2); Australia (1); Denmark (1);

Germany (1); Mexico (1); Poland (1); Saudi Arabia (1); USA (1); Serbia (1). Papers covered a wide range of topics including analysis of free-surface waves, bridge girders, gear boxes, hills, radiation heat transfer, spillways, turbulent flames, pipe flow, open channels, jets, combustion chambers, welding, sprinkler, slug flow, turbines, thermoelectric power generation, airfoils, bed formation, fires in tunnels, shell-and-tube heat exchangers, and pumps.

Mastering AWS CloudFormation
Karen Tovmasyan 2020-05-08
Build scalable and production-ready infrastructure in Amazon

Web Services with
CloudFormation Key
FeaturesLeverage AWS
CloudFormation templates to
manage your entire
infrastructureGet up and
running with writing your
infrastructure as code and
automating your
environmentSimplify
infrastructure management and
increase productivity with AWS
CloudFormationBook
Description DevOps and the
cloud revolution have forced
software engineers and
operations teams to rethink how
to manage infrastructures. With
this AWS book, you'll
understand how you can use
Infrastructure as Code (IaC) to

simplify IT operations and
manage the modern cloud
infrastructure effectively with
AWS CloudFormation. This
comprehensive guide will help
you explore AWS
CloudFormation from template
structures through to developing
complex and reusable
infrastructure stacks. You'll then
delve into validating templates,
deploying stacks, and handling
deployment failures. The book
will also show you how to
leverage AWS CodeBuild and
CodePipeline to automate
resource delivery and apply
continuous integration and
continuous delivery (CI/CD)
practices to the stack. As you
advance, you'll learn how to

generate templates on the fly using macros and create resources outside AWS with custom resources. Finally, you'll improve the way you manage the modern cloud in AWS by extending CloudFormation using AWS serverless application model (SAM) and AWS cloud development kit (CDK). By the end of this book, you'll have mastered all the major AWS CloudFormation concepts and be able to simplify infrastructure management. What you will learn

Understand modern approaches to IaC Develop universal and reusable CloudFormation templates Discover ways to apply continuous delivery with

CloudFormation Implement IaC best practices for the AWS Cloud Provision massive applications across multiple regions and accounts Automate template generation and software provisioning for AWS Extend CloudFormation with custom resources and template macros Who this book is for If you are a developer who wants to learn how to write templates, a DevOps engineer interested in deployment and orchestration, or a solutions architect looking to understand the benefits of managing infrastructure with ease, this book is for you. Prior understanding of the AWS Cloud is necessary.

*12 VARSH VAAR CTET Paper
1 Solved Papers (2011 - 2019)*

- Hindi Edition Disha Experts

2019-09-06

My Planner 2019 Petly Books

2018-12-06 Cute Dachshund

Dog - 2019 Weekly Planner A

beautifully designed weekly

planner, for yourself or a friend

to keep organized for 12

months. Great gift dog lovers in

need of a planner for personal

use, work or school. Product

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Papers) 8th Edition Disha

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Solved Papers + 10 Mock

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solutions of past 8 years of

NEET exam solved question

papers along with 10 Mock

tests designed exactly as per

the latest pattern (3 hour & 180

Questions). The book also

contains the 2015 Retest and

2013 Karnataka paper. Thus in

all, the book contains 10 Past

Papers.

Approaches, Advances and

12/29

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Applications in Sustainable Development of Smart Cities
Tan Yigitcanlar 2020-04-03 This book aims to contribute to the conceptual and practical knowledge pools in order to improve the research and practice on the sustainable development of smart cities by bringing an informed understanding of the subject to scholars, policymakers, and practitioners. This book seeks articles offering insights into the sustainable development of smart cities by providing in-depth conceptual analyses and detailed case study descriptions and empirical investigations. This way, the book will form a repository of relevant

information, material, and knowledge to support research, policymaking, practice, and transferability of experiences to address aforementioned challenges. The scope of the book includes the following broad areas, with a particular focus on the approaches, advances, and applications in the sustainable development of smart cities: • Theoretical underpinnings and analytical and policy frameworks; • Methodological approaches for the evaluation of smart and sustainable cities; • Technological developments in the techno-enviro nexus; • Global best practice smart city case investigations and reports;

- Geo-design and applications concerning desired urban outcomes;
- Prospects, implications, and impacts concerning the future of smart and sustainable cities.

Special Issue of the Manufacturing Engineering Society 2019 (SIMES-2019)

Eva M. Rubio 2020-07-03 This book derives from the Special Issue of the Manufacturing Engineering Society 2019 (SIMES-2019) that has been launched as a joint issue of the journals Materials and Applied Sciences. The 29 contributions published in this Special Issue of Materials present cutting-edge advances in the field of manufacturing engineering

focusing on additive manufacturing and 3D printing; advances and innovations in manufacturing processes; sustainable and green manufacturing; manufacturing of new materials; metrology and quality in manufacturing; industry 4.0; design, modeling, and simulation in manufacturing engineering; and manufacturing engineering and society. Among them, the topic "Additive Manufacturing and 3D Printing" has attracted a large number of contributions in this journal due to its widespread popularity and potential.

Organizing the 20th-Century World Karen Gram-Skjoldager
2020-11-12 International

Organizations play a pivotal role on the modern global stage and have done, this book argues, since the beginning of the 20th century. This volume offers the first historical exploration into the formative years of international public administrations, covering the birth of the League of Nations and the emergence of the second generation that still shape international politics today such as the UN, NATO and OECD. Centring on Europe, where the multilateralization of international relations played out more intensely in the mid-20th century than in other parts of the world, it demonstrates a

broad range of historiographical and methodological approaches to institutions in international history. The book argues that after several 'turns' (cultural, linguistic, material, transnational), international history is now better equipped to restate its core questions of policy and power with a view to their institutional dimensions. Making use of new approaches in the field, this book develops an understanding of the specific powers and roles of IO-administrations by delving into their institutional make-up. Callaghan's Official Wisconsin Reports Wisconsin. Supreme Court 1976 A S R Index 2019 Jan Young

Mathematical Finance with Applications Wing-Keung Wong
2020-12-07 Mathematical finance plays a vital role in many fields within finance and provides the theories and tools that have been widely used in all areas of finance. Knowledge of mathematics, probability, and statistics is essential to develop finance theories and test their validity through the analysis of empirical, real-world data. For example, mathematics, probability, and statistics could help to develop pricing models for financial assets such as equities, bonds, currencies, and derivative securities.

Agility Leo M. Tilman
2019-10-15 As the Fourth

Industrial Revolution barrels forward and the pace of disruption accelerates, all organizations must operate with agility. But this urgent priority, now widely-accepted by senior leaders, presents a major challenge: In business, government, and warfare, agility is a buzzword. There is no common understanding of what it means, or of what it takes to be consistently agile. In this groundbreaking book, Leo Tilman and Charles Jacoby offer the first comprehensive assessment of the fundamental nature of organizational agility and then describe the essential leadership practices for achieving it. They show that

agility is far superior to mere speed or adaptability. Pinpointing its distinctive features, they define agility as the ability to detect and assess changes in the competitive environment in real time and then take decisive action. They demonstrate that agility enables an organization to outmaneuver competitors by seizing opportunities; better defending against threats; and acting as a well-orchestrated collective of teams that are empowered to take disciplined initiative. Combining their personal experience of building and leading agile organizations, Tilman in the realm of business and finance and Jacoby in

battlefield command and homeland security, they present a powerful approach to fostering agility up and down an organization, and out to its very edges. They show how to detect opportunities and threats by fighting for risk intelligence; how to pierce through complexity and unleash creativity by nurturing a culture of honesty and trust; how to meld top-down vision and planning with decentralized execution; and how to enhance strategy by recognizing organizations as dynamic portfolios of risk. In a world where leaders and their teams must brave the unknown and step confidently forward – or

risk extinction – Agility provides a vital roadmap for seizing the unprecedented possibilities of the new age and dominating change instead of being dominated by it.

Planner 2019: 12 Month Weekly & Monthly Planner, January 2019 - December 2019, 8,50x11,00 Inspiring Notebooks 2018-10-10 Planner 2019: Get a head start on staying organized with this simple, stylish, elegant 8,50x11,00 planner. It features a condensed full month view which provides lined spaces for you to record tasks, goals, or plans. The pages are ready and waiting to be filled! It is suitable for anyone and would make the

perfect gift for birthdays, anniversaries or anything else.

Specifications: *12 Months: January 2019 - December 2019

*Dimensions: 8,50x11,00

*Pages: 155

2019 12 Month Weekly

Planner: 1 Year

Daily/Weekly/Monthly Planner,

January 2019-December

2019, Beagle Dog Cover Mayer

Designs 2018-09-23 This 6" x

9" compact size planner has 53

pages and covers 1 year from

December 31, 2018-January 5,

2020. Each page has a

individual space that is dated

for notes for each day Monday

through Friday and a combined

space for Saturday/Sunday.

There is room on the side

margin for priorities and a to do list. This compact sized organizer is handy enough to carry in a purse or backpack. Helps time management and productivity. The cover features a Beagle dog.

Weekly Planner 2019 Arts Arts
Planners 2018-07-07 Perfect planner to keep you organized! Start on staying organized with this Simple a year planner for 2019 including January 2019 - December 2019 (12 Month Calendar). Each monthly spread contains an overview of the month, monthly Goals, To do list and notes section. Weekly spreads include space to write your daily schedule as well as a to do list.

, Notes 50 full pages and contact info pages Book
Details: Overview calendar 2019 and 2020
12 Months: January 2019 - December 2019
Monthly and Weekly Plan
Daily schedule and To-do list
Weeks run from Monday to Sunday
Size 8 x 10 inches
Premium Matte Finish
Cover Design
Printed on quality Cream paper
A great gift idea!

Planner 2019 Arts Arts
Planners 2018-07-06 Perfect planner to keep you organized! Start on staying organized with this Simple a year planner for 2019 including January 2019 - December 2019 (12 Month Calendar). Each monthly spread contains an overview of the month, monthly

Goals, To do list and notes section. Weekly spreads include space to write your daily schedule as well as a to do list. , Notes 50 full pages and contact info pages Book Details: Overview calendar 2019 and 2020 12 Months: January 2019 - December 2019 Monthly and Weekly Plan Daily schedule and To-do list Weeks run from Monday to Sunday Size 8 x 10 inches Premium Matte Finish Cover Design Printed on quality Cream paper A great gift idea! Blade Runner 2019 #12 Michael Green 2020-11-18 Having successfully helped Cleo and her surrogate Replicant mother Isobel escape Off-world, Blade Runner Aahna Ashina, 'Ash',

has returned to Los Angeles to hunt down business tycoon, Alexander Selwyn. While investigating a possible lead, Ash was apprehended by the LAPD, but before she could be taken into custody she was freed by members of the Replicant Resistances who spirited her away to a remote farmhouse where she met their leader, Freysa. While Freysa repaired Ash's damaged backbrace, the farmhouse was attacked by Selwyn's own personal Blade Runner, Hythe, who had tracked Ash to the farmhouse following a tipoff. A gun battle broke out, giving Freysa and Ash time to escape back to the city. There, Freysa

revealed that the Replicant Resistance had tracked down Selwyn's location. With her backbrace fully repaired, Ash set off back to Selwyn's Santa Barbara mansion, to find him waiting for her with a squad of Hythe Replicants...

Planner for Kids 2019 Dorothy Moore 2019-01-24 This kids planner is special planner which contains an overview of the month, a notes section, The good spreads include space to Drawing The Picture as well as a to-do list. You can see 7 days Mon-Sun Weekly Schedule in the couple page and also see the whole month too.Organize your day with: - Lists of your to-dos, to-don'ts, and more.-

2019-12

Spreads to plan your child day and week.- Keeping track your child activities and habits for busy parent to organized daily plan for kids.- Best for Christmas gift and New Year gift.- Start from Jan 2019 to Dec 2019- 8.5x11 inches perfect Large Letter Size.- Matte finish and soft cover.- Light weight. Easy to carry around.- 80 pages.

Plasma Processes for Renewable Energy Technologies Masaaki Okubo 2020-01-07 The use of renewable energy is an effective solution for the prevention of global warming. On the other hand, environmental plasmas are one of powerful means to solve

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global environmental problems on nitrogen oxides, (NO_x), sulfur oxides (SO_x), particulate matter (PM), volatile organic compounds (VOC), and carbon dioxides (CO₂) in the atmosphere. By combining both technologies, we can develop an extremely effective environmental improvement technology. Based on this background, a Special Issue of the journal *Energies* on plasma processes for renewable energy technologies is planned. On the issue, we focus on environment plasma technologies that can effectively utilize renewable electric energy sources, such as photovoltaic power generation, biofuel power generation, wind

turbine power generation, etc. However, any latest research results on plasma environmental improvement processes are welcome for submission. We are looking, among others, for papers on the following technical subjects in which either plasma can use renewable energy sources or can be used for renewable energy technologies: · Plasma decomposition technology of harmful gases, such as the plasma denitrification method; · Plasma removal technology of harmful particles, such as electrostatic precipitation; · Plasma decomposition technology of harmful substances in liquid, such as

gas-liquid interfacial plasma; · Plasma-enhanced flow induction and heat transfer enhancement technologies, such as ionic wind device and plasma actuator; · Plasma-enhanced combustion and fuel reforming; · Other environment plasma technologies.

CARNEWS 2019/12 (NO.348) 2019-12-31 Nissan Altima 2.0T VS. Toyota Camry 2.5 Hybrid 12 CUV Toyota Sienta FCA PSA Honda Fit & Toyota Yaris VW Golf

340 JS Racing S2000 Road Test Mazda MX-30 BMW X1 sDrive20i

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Biomass Processing for Biofuels, Bioenergy and Chemicals Wei-Hsin Chen

2020-05-23 Biomass can be used to produce renewable electricity, thermal energy, transportation fuels (biofuels),

and high-value functional chemicals. As an energy source, biomass can be used either directly via combustion to produce heat or indirectly after it is converted to one of many forms of bioenergy and biofuel via thermochemical or biochemical pathways. The conversion of biomass can be achieved using various advanced methods, which are broadly classified into thermochemical conversion, biochemical conversion, electrochemical conversion, and so on. Advanced development technologies and processes are able to convert biomass into alternative energy sources in solid (e.g., charcoal, biochar,

and RDF), liquid (biodiesel, algae biofuel, bioethanol, and pyrolysis and liquefaction bio-oils), and gaseous (e.g., biogas, syngas, and biohydrogen) forms. Because of the merits of biomass energy for environmental sustainability, biofuel and bioenergy technologies play a crucial role in renewable energy development and the replacement of chemicals by highly functional biomass. This book provides a comprehensive overview and in-depth technical research addressing recent progress in biomass conversion processes. It also covers studies on advanced techniques and methods for bioenergy and

biofuel production.

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Reports 1984-03

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Advanced Coatings for

Corrosion Protection Wolfram

Fürbeth 2021-01-15 Corrosion

is a significant issue in many industrial fields. Among other strategies, coatings are by far the most important technology for corrosion protection of metallic surfaces. The Special Issue “Advanced Coatings for Corrosion Protection” has been launched as a means to present recent developments in any

type of advanced coating for corrosion protection. This book compiles 15 contributions on metallic, inorganic, polymeric and nanoparticle enhanced coatings that provide corrosion protection as well as other functionalities.

Academic Planner 2019 Arts
Arts Planners 2018-07-06
Perfect planner to keep you organized! Start on staying organized with this Simple a year planner for 2019 including January 2019 - December 2019 (12 Month Calendar). Each monthly spread contains an overview of the month, monthly Goals, To do list and notes section. Weekly spreads include space to write your daily

schedule as well as a to do list. , Notes 50 full pages and contact info pages Book Details: Overview calendar 2019 and 2020 12 Months: January 2019 - December 2019 Monthly and Weekly Plan Daily schedule and To-do list Weeks run from Monday to Sunday Size 8 x 10 inches Premium Matte Finish Cover Design Printed on quality Cream paper A great gift idea!

The Tweets of President Donald J. Trump Forefront Books
2020-07-28 Love them or hate them, the tweets of President Donald J. Trump rule the Twitterverse. Until our last presidential campaign, television, particularly campaign ads, dominated the political

landscape. But with the rise of Donald J. Trump came a new political tool: the internet. Trump used this to communicate instantly and very effectively with the American people. And it worked. Establishing his political positions by tweeting numerous times a day, Trump pulled a major upset by defeating Hillary Rodham Clinton to become the 45th president of the United States. Once in office, Trump did not abandon his penchant for using Twitter as his populist platform. Instead, he doubled down on it, making it his primary means of communicating with the American people. Knowing how effective a tweet can be, Trump

once wrote, “Boom. I press it and within two seconds we have breaking news.” With a massive Twitter following of 78 million by the spring of 2020, Trump’s direct impact upon Americans cannot be dismissed, nor can the value of his tweets as an essential part of the historical record be denied. To put the enormous impact of his tweets into perspective, Trump won the White House with 63 million votes—a number significantly lower than his massive Twitter following. Now you can read the collected tweets of wisdom—or ridiculousness—from President Donald J. Trump, from his inauguration through February

2020 in this historically significant collection.

Short-Term Load Forecasting

2019 Antonio Gabaldón

2021-02-26 Short-term load forecasting (STLF) plays a key role in the formulation of economic, reliable, and secure operating strategies (planning, scheduling, maintenance, and control processes, among others) for a power system and will be significant in the future. However, there is still much to do in these research areas. The deployment of enabling technologies (e.g., smart meters) has made high-granularity data available for many customer segments and to approach many issues, for

instance, to make forecasting tasks feasible at several demand aggregation levels. The first challenge is the improvement of STLF models and their performance at new aggregation levels. Moreover, the mix of renewables in the power system, and the necessity to include more flexibility through demand response initiatives have introduced greater uncertainties, which means new challenges for STLF in a more dynamic power system in the 2030–50 horizon. Many techniques have been proposed and applied for STLF, including traditional statistical models and AI techniques. Besides, distribution

planning needs, as well as grid modernization, have initiated the development of hierarchical load forecasting. Analogously, the need to face new sources of uncertainty in the power system is giving more importance to

probabilistic load forecasting.

This Special Issue deals with both fundamental research and practical application research on STLF methodologies to face the challenges of a more distributed and customer-centered power system.