

---

## BIBLIOGRAPHY

- [1] Georgios Amanatidis. European policies on climate and energy towards 2020, 2030 and 2050. *European Parliament*, 2019.
- [2] Ahmed A. Abdullah and Tarek M. Hassan. Smart grid (sg) properties and challenges: an overview. *Discover Energy 2022 2:1*, 2:1–11, 11 2022.
- [3] Murat Kuzlu, Manisa Pipattanasomporn, and Saifur Rahman. Communication network requirements for major smart grid applications in han, nan and wan. *Computer Networks*, 67:74–88, 2014.
- [4] William Xu. Giv 2025 unfolding the industry blueprint of an intelligent world. *Huawei Tech.*, 2018.
- [5] Syed Hassan Ahmed, Safdar Hussain Bouk, and Dongkyun Kim. *Content-Centric Networks: An Overview, Applications and Research Challenges*. Springer Publishing Company, Incorporated, 1st edition, 2016.
- [6] Alexander Afanasyev, Jeff Burke, Tamer Refaei, Lan Wang, Beichuan Zhang, and Lixia Zhang. A brief introduction to named data networking. In *Military Communications for 21st Century (MILCOM 2018)*, 2018.
- [7] Divya Saxena, Vaskar Raychoudhury, Neeraj Suri, Christian Becker, and Jiannong Cao. Named data networking: A survey. *Computer Science Review*, 19:15–55, 2016.
- [8] Hasnae Bilil, Charif Mahmoudi, and Mohamed Maaroufi. Named data networking for smart grid information sharing. In *2017 International Renewable and Sustainable Energy Conference (IRSEC)*, pages 1–6, 2017.
- [9] ZiWei Hu, Yao Li, Jun Wu, Jinghong Guo, and Hailin Gu. Research of pmu data transmission mechanism in smart grid based on ndn. In *2017 IEEE Conference on Energy Internet and Energy System Integration (EI2)*, pages 1–6, 2017.
- [10] Anju K. James, George Torres, Sharad Shrestha, Reza Tourani, and Satyajayant Misra. icaap: information-centric network architecture for application-specific prioritization in smart grid. In *2021 IEEE Power & Energy Society Innovative Smart Grid Technologies Conference (ISGT)*, pages 1–5, 2021.
- [11] Alexander Afanasyev, Junxiao Shi, Beichuan Zhang, Lixia Zhang, Ilya Moiseenko, Yingdi Yu, Wentao Shang, Yanbiao Li, Spyridon Mastorakis, Eric Newberry, Yi Huang, Jerald Paul Abraham, Teng Liang, Klaus Schneider, Steve DiBenedetto, Chengyu Fan, Susmit Shannigrahi, Christos Papadopoulos, Davide Pesavento, Giulio Grassi, Giovanni Pau, Hang Zhang, Tian Song, Haowei Yuan, Hila Ben Abraham,

- Patrick Crowley, Syed Obaid Amin, Vince Lehman, Muktadir Chowdhury, Ashlesh Gawande, Lan Wang, and Nicholas Gordon. Nfd developer's guide. *NDN, Technical Report NDN-0021*, 2021.
- [12] W. Tody Ariefianto and Nana Rachmana Syambas. Routing in ndn network: A survey and future perspectives. In *2017 11th International Conference on Telecommunication Systems Services and Applications (TSSA)*, pages 1–6, 2017.
- [13] Michael I Henderson, Damir Novosel, and Mariesa L Crow. Electric power grid modernization trends, challenges, and opportunities - iee technology trend paper. 2017.
- [14] Ieee standards association, "ieee standards activities in the smart grid space (ict focus)." <https://standards.ieee.org/wp-content/uploads/import/documents/other/smartgrid.pdf>.
- [15] Hussein T. Mouftah and Melike Erol-Kantarci. Chapter 25 - smart grid communications: Opportunities and challenges. In Mohammad S. Obaidat, Alagan Anpalagan, and Isaac Woungang, editors, *Handbook of Green Information and Communication Systems*, pages 631–663. Academic Press, 2013.
- [16] Augustine Ikpehai, Bamidele Adebisi, and Khaled Rabie. Broadband PLC for clustered advanced metering infrastructure (AMI) architecture. *Energies*, 9(7):569, July 2016.
- [17] Hussein T Mouftah and Melike Erol-Kantarci. Smart grid communications: Opportunities and challenges. In *Handbook of Green Information and Communication Systems*, pages 631–663. Elsevier, 2013.
- [18] Stefano Galli, Anna Scaglione, and Zhifang Wang. For the grid and through the grid: The role of power line communications in the smart grid. *Proc. IEEE Inst. Electr. Electron. Eng.*, 99(6):998–1027, June 2011.
- [19] A. Kumar Chhaya, P. Sharma and G. Bhagwatikar. Iot-based implementation of field area network using smart grid communication infrastructure. In *Smart Cities*, volume 1, pages 176–189, 2018.
- [20] Huawei ar500 & ar510 & ar531 & ar550 & ar1500 & ar2500 series industrial switch routers cli-based configuration guide-ami.
- [21] Kansas City Power, Edward T Hedges, and David Szucs. Recovery act-smartgrid regional demonstration transmission and distribution (t & d) ikcp &l green impact zone smartgrid demonstration.
- [22] Gunawan Wibisono, Gilang Permata Saktiaji, and Ihsan Ibrahim. Techno economic analysis of smart meter reading implementation in PLN bali using LoRa technology.

- In *2017 International Conference on Broadband Communication, Wireless Sensors and Powering (BCWSP)*. IEEE, November 2017.
- [23] Huawei helps pln batam enter the smart metering era - <https://e.huawei.com/topic/leading-new-ict-ua/pln-batam-smart-metering-case.html>.
- [24] Gunawan Wibisono and Nofiandri Badruzzaman. Strategy of smart meter infrastructure implementation using LPWAN technology, pilot project PLN bali case study. *MATEC Web Conf.*, 218:03013, 2018.
- [25] Transformasi digital, bright pln batam implementasikan ami - <https://www.plnbatam.com/transformasi-digital-bright-pln-batam-implementasikan-ami-2>.
- [26] Advanced metering infrastructure (ami) bright pln batam - youtube.” <https://www.youtube.com/watch?v=6hmbg4qyecm>.
- [27] Dan Ameme, Satyajayant Misra, and Abderrahmen Mtibaa. A case for information centric networking for smart grid communications. In *Proceedings of the SIGCOMM Posters and Demos*, SIGCOMM Posters and Demos '17, page 25–27, New York, NY, USA, 2017. Association for Computing Machinery.
- [28] Gelli Ravikumar, Dan Ameme, Satyajayant Misra, Sukumar Brahma, and Reza Tourani. icasm: An information-centric network architecture for wide area measurement systems. *IEEE Transactions on Smart Grid*, 11(4):3418–3427, 2020.
- [29] Nour El Houda Ben Youssef, Yosra Barouni, Sofiane Khalfallah, Jaleddine Ben Hadj Slama, and Khaled Ben Driss. Emulation of content-centric routing and forwarding strategies in smart grids. In *2017 IEEE/ACS 14th International Conference on Computer Systems and Applications (AICCSA)*, pages 214–219, 2017.
- [30] Github - [https://github.com/anjujames33/ndn\\_qos](https://github.com/anjujames33/ndn_qos).
- [31] Spyridon Mastorakis, Alexander Afanasyev, and Lixia Zhang. On the evolution of ndnsim: An open-source simulator for ndn experimentation. *SIGCOMM Comput. Commun. Rev.*, 47(3):19–33, sep 2017.
- [32] ndnsim - [https://ndnsim.net/current/release\\_notes.html](https://ndnsim.net/current/release_notes.html).
- [33] Marica Amadeo, Claudia Campolo, Antonio Iera, and Antonella Molinaro. Named data networking for iot: An architectural perspective. In *2014 European Conference on Networks and Communications (EuCNC)*, pages 1–5, 2014.

- [34] Erny Anugrahany, Guntur Supriyadi, Dimas Aji Nugraha, Oksa Prasetyawan W, and M Muslih Mafruddin. Assessment procedure for advanced metering infrastructure implementation in indonesia. In *2021 3rd International Conference on High Voltage Engineering and Power Systems (ICHVEPS)*, pages 393–397, 2021.
- [35] Cisco Systems. *Cisco IOS Quality of Service Solutions Command Reference*. Americas Headquarters Cisco Systems, Inc., 2021.