

DAFTAR PUSTAKA

- [1] F. Careri, C. Genesi, P. Marannino, M. Montagna, S. Rossi, and I. Siviero, "Generation expansion planning in the age of green economy," *IEEE Trans. Power Syst.*, vol. 26, no. 4, pp. 2214–2223, 2011.
- [2] G. a. Bakirtzis, P. N. Biskas, and V. Chatziathanasiou, "Generation expansion planning by MILP considering mid-term scheduling decisions," *Electr. Power Syst. Res.*, vol. 86, pp. 98–112, 2012.
- [3] C. Yuan *et al.*, "New Problem Formulation of Emission Constrained Generation Mix," *IEEE Trans. Power Syst.*, vol. 28, no. 4, pp. 4064–4071, 2013.
- [4] K. Rajesh, A. Bhuvanesh, S. Kannan, and C. Thangaraj, "Least cost generation expansion planning with solar power plant using Differential Evolution algorithm," *Renew. Energy*, vol. 85, pp. 677–686, 2016.
- [5] K. Rajesh, K. Karthikeyan, S. Kannan, and C. Thangaraj, "Generation expansion planning based on solar plants with storage," *Renew. Sustain. Energy Rev.*, vol. 57, pp. 953–964, 2016.
- [6] I. Sharan and R. Balasubramanian, "Integrated generation and transmission expansion planning including power and fuel transportation constraints," *Energy Policy*, vol. 43, pp. 275–284, 2012.
- [7] A. Khodaei, M. Shahidehpour, L. Wu, and Z. Li, "Coordination of Short-Term Operation Constraints in Multi-Area Expansion Planning," *IEEE Trans. Power Syst.*, vol. 27, no. 4, pp. 2242–2250, Nov. 2012.
- [8] S. Surendra and D. Thukaram, "Identification of prospective locations for generation expansion with least augmentation of network," *Gener. Transm. Distrib. IET*, vol. 7, no. 1, pp. 37–45, 2013.
- [9] A. H. Seddighi and A. Ahmadi-Javid, "Integrated multiperiod power generation and transmission expansion planning with sustainability aspects in a stochastic environment," *Energy*, vol. 86, pp. 9–18, 2015.
- [10] J. Shu, L. Wu, L. Zhang, and B. Han, "Spatial Power Network Expansion Planning Considering Generation Expansion," *IEEE Trans. Power Syst.*, vol. 30, no. 4, pp. 1815–1824, 2015.
- [11] A. Heidari, H. Mavalizadeh, and A. Ahmadi, "Probabilistic multi-objective generation and transmission expansion planning problem using normal boundary intersection," *IET Gener. Transm. Distrib.*, vol. 9, no. 6, pp. 560–570, Apr. 2015.
- [12] O. J. Guerra, D. A. Tejada, and G. V. Reklaitis, "An optimization framework for the integrated planning of generation and transmission expansion in interconnected power systems," *Appl. Energy*, vol. 170, pp. 1–21, 2016.
- [13] H. Tekiner, D. W. Coit, and F. A. Felder, "Multi-period multi-objective electricity generation expansion planning problem with Monte-Carlo simulation," *Electr. Power Syst. Res.*, vol. 80, no. 12, pp. 1394–1405, 2010.
- [14] K. Promjiraprawat and B. Limmeechokchai, "Multi-Objective and Multi-Criteria Optimization for Power Generation Expansion Planning with CO2 Mitigation in Thailand," *Songklanakarin J. Science Technol.*, vol. 35, no. 3, pp. 349–359, 2013.
- [15] C. A. Correa, R. A. Bolaños, and A. H. Escobar, "Electrical Power and Energy Systems Multi-objective transmission expansion planning considering multiple

- [16] A. Bagheri, V. Vahidinasab, and K. Mehran, “A novel multiobjective generation and transmission investment framework for implementing 100% renewable energy sources,” *IET Gener. Transm. Distrib.*, vol. 12, no. 2, pp. 455–465, 2018.
- [17] J. H. Zhao, J. Foster, Z. Y. Dong, and K. P. Wong, “Flexible transmission network planning considering distributed generation impacts,” *IEEE Trans. Power Syst.*, vol. 26, no. 3, pp. 1434–1443, 2011.
- [18] F. Luo, J. Zhao, J. Qiu, S. Member, and J. Foster, “Assessing the Transmission Expansion Cost With Distributed Generation : An Australian Case Study,” *IEEE Trans. Smart Grid*, vol. 5, no. 4, pp. 1892–1904, 2014.
- [19] R. Hejeejo and J. Qiu, “Probabilistic transmission expansion planning considering distributed generation and demand response programs,” *IET Renew. Power Gener.*, vol. 11, no. 5, pp. 650–658, 2017.
- [20] A. Rouhani, S. H. Hosseini, and M. Raoofat, “Composite generation and transmission expansion planning considering distributed generation,” *Int. J. Electr. Power Energy Syst.*, vol. 62, pp. 792–805, 2014.
- [21] A. Sarid and M. Tzur, “The multi-scale generation and transmission expansion model,” *Energy*, vol. 148, pp. 977–991, 2018.
- [22] S. K. M. Shahidehpour, “Generation expansion planning in wind-thermal power systems,” *IET Gener. Transm. Distrib.*, vol. 4, no. December 2009, pp. 940–951, 2010.
- [23] J. Aghaei, M. A. Akbari, A. Roosta, M. Gitizadeh, and T. Niknam, “Integrated renewable-conventional generation expansion planning using multiobjective framework,” *Gener. Transm. Distrib. IET*, vol. 6, no. 8, pp. 773–784, 2012.
- [24] J. L. C. Meza, M. B. Yildirim, and A. S. M. Masud, “A model for the multiperiod multiobjective power generation expansion problem,” *IEEE Trans. Power Syst.*, vol. 22, no. 2, pp. 871–878, 2007.
- [25] Q. Chen, C. Kang, Q. Xia, and J. Zhong, “Power Generation Expansion Planning Model Towards Low-Carbon Economy and Its Application in China,” *Power Syst. IEEE Trans.*, vol. 25, no. 2, pp. 1117–1125, 2010.
- [26] E. Gil, I. Aravena, and R. Cárdenas, “Generation Capacity Expansion Under Hydro Uncertainty Using Stochastic Mixed Integer Programming and Scenario Reduction,” *IEEE Trans. Power Syst.*, vol. 30, no. 4, pp. 1–10, 2014.
- [27] H. Park and R. Baldick, “Stochastic Generation Capacity Expansion Planning Reducing Greenhouse Gas Emissions,” *IEEE Trans. Power Syst.*, vol. 30, no. 2, pp. 1026–1034, 2015.
- [28] T. Chung, Y. Li, and Z. Wang, “Optimal generation expansion planning via improved genetic algorithm approach,” *Int. J. Electr. Power Energy Syst.*, vol. 26, no. 8, pp. 655–659, 2004.
- [29] J. Sirikum, a Techanitisawad, and V. Kachitvichyanukul, “A new efficient GA-benders’ decomposition method: For power generation expansion planning with emission controls,” *IEEE Trans. Power Syst.*, vol. 22, no. 3, pp. 1092–1100, 2007.
- [30] J. Wang, M. Shahidehpour, Z. Li, and a. Botterud, “Strategic Generation Capacity

- [31] P. Murugan, S. Kannan, and S. Baskar, “Application of NSGA-II Algorithm to Single-Objective Transmission Constrained Generation Expansion Planning,” *IEEE Trans. Power Syst.*, vol. 24, no. 4, pp. 1790–1797, Nov. 2009.
- [32] P. Murugan, S. Kannan, and S. Baskar, “NSGA-II algorithm for multi-objective generation expansion planning problem,” *Electr. Power Syst. Res.*, vol. 79, no. 4, pp. 622–628, 2009.
- [33] B. Alizadeh and S. Jadid, “Uncertainty handling in power system expansion planning under a robust multi-objective framework,” *IET Gener. Transm. Distrib.*, vol. 8, no. May, pp. 2012–2026, 2014.
- [34] S. Kannan, S. M. R. Slochanal, P. Subbaraj, and N. P. Padhy, “Application of particle swarm optimization technique and its variants to generation expansion planning problem,” *Electr. Power Syst. Res.*, vol. 70, pp. 203–210, 2004.
- [35] R. Hemmati, R. Hooshmand, and A. Khodabakhshian, “Reliability constrained generation expansion planning with consideration of wind farms uncertainties in deregulated electricity market,” *Energy Convers. Manag.*, vol. 76, pp. 517–526, 2013.
- [36] A. R. Abbasi and A. Reza, “Unified electrical and thermal energy expansion planning with considering network reconfiguration,” *IET Gener. Transm. Distrib.*, vol. 9, no. August 2014, pp. 592–601, 2015.
- [37] J. Choi, T. D. Mount, and R. J. Thomas, “Transmission Expansion Planning Using Contingency Criteria,” *IEEE Trans. Power Syst.*, vol. 22, no. 4, pp. 2249–2261, 2007.
- [38] M. J. Rider, A. V. Garcia, and R. Romero, “Transmission system expansion planning by a branch-and-bound algorithm,” *IET Gener. Transm. Distrib.*, vol. 2, no. 1, pp. 90–99, 2008.
- [39] L. P. Garcés, A. J. Conejo, and R. García-bertrand, “A Bilevel Approach to Transmission Expansion Planning Within a Market Environment,” *IEEE Trans. Power Syst.*, vol. 24, no. 3, pp. 1513–1522, 2009.
- [40] A. Khodaei, M. Shahidehpour, and S. Kamalinia, “Transmission Switching in Expansion Planning,” *IEEE Trans. Power Syst.*, vol. 25, no. 3, pp. 1722–1733, Aug. 2010.
- [41] D. Tejada, J. M. López-lezama, M. J. Rider, and G. Vinasco, “Electrical Power and Energy Systems Transmission network expansion planning considering repowering and reconfiguration,” *Int. J. Electr. Power Energy Syst.*, vol. 69, pp. 213–221, 2015.
- [42] D. Bravo, E. Sauma, J. Contreras, S. De, J. A. Aguado, and D. Pozo, “Impact of network payment schemes on transmission expansion planning with variable renewable generation ☆,” *Energy Econ.*, vol. 56, pp. 410–421, 2016.
- [43] A. Moreira, A. Street, and J. M. Arroyo, “An Adjustable Robust Optimization Approach for Contingency-Constrained Transmission Expansion Planning,” *IEEE Trans. Power Syst.*, vol. 30, no. 4, pp. 2013–2022, 2015.
- [44] C. Li, Z. Dong, G. Chen, F. Luo, and J. Liu, “Flexible transmission expansion

- planning associated with large-scale wind farms integration considering demand response,” *IET Gener. Transm. Distrib.*, vol. 9, pp. 2276–2283, 2015.
- [45] J. Kwon and K. W. Hedman, “Transmission expansion planning model considering conductor thermal dynamics and high temperature low sag conductors,” *IET Gener. Transm. Distrib.*, vol. 9, pp. 2311–2318, 2015.
 - [46] S. Arora and E. Bustamante-cede, “Multi-step simultaneous changes Constructive Heuristic Algorithm for Transmission Network Expansion Planning,” *Electr. Power Syst. Res.*, vol. 79, pp. 586–594, 2009.
 - [47] N. Yang and F. Wen, “A chance constrained programming approach to transmission system expansion planning,” *Electr. Power Syst. Res.*, vol. 75, pp. 171–177, 2005.
 - [48] I. D. J. Silva, M. J. Rider, R. Romero, and C. A. F. Murari, “Transmission Network Expansion Planning Considering Uncertainty in Demand,” *IEEE Trans. Power Syst.*, vol. 21, no. 4, pp. 1565–1573, 2006.
 - [49] H. Shayeghi, S. Jalilzadeh, M. Mahdavi, and H. Hadadian, “Studying influence of two effective parameters on network losses in transmission expansion planning using DCGA,” *Energy Convers. Manag.*, vol. 49, pp. 3017–3024, 2008.
 - [50] M. Mahdavi, H. Shayeghi, and A. Kazemi, “DCGA based evaluating role of bundle lines in TNEP considering expansion of substations from voltage level point of view,” *Energy Convers. Manag.*, vol. 50, no. 8, pp. 2067–2073, 2009.
 - [51] P. Maghouli, S. H. Hosseini, and M. O. Buygi, “A Multi-Objective Framework for Transmission Expansion Planning in Deregulated Environments,” *IEEE Trans. Power Syst.*, vol. 24, no. 2, pp. 1051–1061, 2009.
 - [52] A. Arabali and M. Ghofrani, “A Multi-Objective Transmission Expansion Planning Framework in Deregulated Power,” *IEEE Trans. Power Syst.*, vol. 29, no. 6, pp. 1–9, 2014.
 - [53] Y. Hu, Z. Bie, T. Ding, and Y. Lin, “An NSGA-II based multi-objective optimization for combined gas and electricity network expansion planning q,” *Appl. Energy*, vol. 167, pp. 280–293, 2016.
 - [54] T. Sum-im, G. A. Taylor, M. R. Irving, and Y. H. Song, “Differential evolution algorithm for static and multistage transmission expansion planning,” *IET Gener. Transm. Distrib.*, vol. 3, no. December 2008, pp. 365–384, 2009.
 - [55] P. S. Georgilakis, “Electrical Power and Energy Systems Market-based transmission expansion planning by improved differential evolution,” *Int. J. Electr. Power Energy Syst.*, vol. 32, no. 5, pp. 450–456, 2010.
 - [56] I. Alhamrouni, A. Khairuddin, A. K. Ferdavani, and M. Salem, “Transmission expansion planning using AC-based differential evolution algorithm,” *IET Gener. Transm. Distrib.*, no. October 2013, pp. 1637–1644, 2014.
 - [57] Y. Wang *et al.*, “Pareto optimality-based multi-objective transmission planning considering transmission congestion,” *Electr. Power Syst. Res.*, vol. 78, pp. 1619–1626, 2008.
 - [58] A. Silva and E. N. Asada, “Long-term transmission system expansion planning with multi-objective evolutionary algorithm,” *Electr. Power Syst. Res.*, vol. 119, pp. 149–156, 2015.

- [59] H. Shayeghi, M. Mahdavi, and A. Bagheri, "Discrete PSO algorithm based optimization of transmission lines loading in TNEP problem," *Energy Convers. Manag.*, vol. 51, no. 1, pp. 112–121, 2010.
- [60] J. Wen, X. Han, J. Li, Y. Chen, H. Yi, and C. Lu, "Transmission Network Expansion Planning Considering Uncertainties in Loads and Renewable Energy Resources," *CSEE J. Power Energy Syst.*, vol. I, no. I, pp. 78–85, 2015.
- [61] S. Kannan, S. M. R. Slochanal, and N. P. Padhy, "Application and Comparison of Metaheuristic Techniques to Generation Expansion Planning Problem," *IEEE Trans. Power Syst.*, vol. 20, no. 1, pp. 466–475, 2005.
- [62] S. Kannan, S. M. R. Slochanal, S. Baskar, and P. Murugan, "Intermittent renewable generation and the cost of maintaining power system reliability," *Gener. Transm. Distrib. IET*, vol. 1, no. 2, p. 324, 2007.
- [63] K. Dragoon and V. Dvortsov, "Z-Method for Power System Resource Adequacy Applications," *IEEE Trans. Power Syst.*, vol. 21, no. 2, pp. 982–988, 2006.
- [64] H. Chen, X. Wang, and X. Zhao, "Generation planning using Lagrangian relaxation and probabilistic production simulation," *Int. J. Electr. Power Energy Syst.*, vol. 26, no. 8, pp. 597–605, 2004.
- [65] J. H. Zhao, Z. Y. Dong, S. Member, P. Lindsay, and K. P. Wong, "Flexible Transmission Expansion Planning With Uncertainties in an Electricity Market," *IEEE Trans. Power Syst.*, vol. 24, no. 1, pp. 479–488, 2009.
- [66] A. M. Leite, L. S. Rezende, A. Luiz, F. Manso, and L. C. De Resende, "Electrical Power and Energy Systems Reliability worth applied to transmission expansion planning based on ant colony system," *Int. J. Electr. Power Energy Syst.*, vol. 32, no. 10, pp. 1077–1084, 2010.
- [67] A. K. Kazerooni, J. Mutale, and S. Member, "Transmission Network Planning Under Security and Environmental Constraints," *IEEE Trans. Power Syst.*, vol. 25, no. 2, pp. 1169–1178, 2010.
- [68] P. Cerda, M. Larraín, and H. Rudnick, "Identification of Generation Expansion Plans in Competitive Markets," *IEEE Lat. Am. Trans.*, vol. 9, no. 5, pp. 774–784, 2011.
- [69] H. A. Shayanfar, A. S. Lahiji, J. Aghaei, and A. Rabiee, "Generation Expansion Planning in pool market : A hybrid modified game theory and improved genetic algorithm," *Energy Convers. Manag.*, vol. 50, no. 5, pp. 1149–1156, 2009.
- [70] S. M. Moghddas-tafreshi, H. A. Shayanfar, A. S. Lahiji, A. Rabiee, and J. Aghaei, "Generation expansion planning in Pool market : A hybrid modified game theory and particle swarm optimization," *Energy Convers. Manag.*, vol. 52, no. 2, pp. 1512–1519, 2011.
- [71] A. J. C. Pereira and J. Tomé, "Generation expansion planning (GEP) - A long-term approach using system dynamics and genetic algorithms (GAs)," *Energy*, vol. 36, no. 8, pp. 5180–5199, 2011.
- [72] A. J. C. Pereira and J. Tomé, "A decision support system for generation expansion planning in competitive electricity markets," *Electr. Power Syst. Res.*, vol. 80, pp. 778–787, 2010.
- [73] S. Motie, F. Keynia, M. Reza, and A. Maleki, "Electrical Power and Energy

- Systems Generation expansion planning by considering energy-efficiency programs in a competitive environment,” *Int. J. Electr. Power Energy Syst.*, vol. 80, pp. 109–118, 2016.
- [74] J. A. Aguado, S. De Torre, J. Contreras, A. J. Conejo, and A. Martínez, “Market-driven dynamic transmission expansion planning,” *Electr. Power Syst. Res.*, vol. 82, no. 1, pp. 88–94, 2012.
 - [75] R. Hooshmand, R. Hemmati, and M. Parastegari, “Combination of AC Transmission Expansion Planning and Reactive Power Planning in the restructured power system Loss of Load Expectation,” *Energy Convers. Manag.*, vol. 55, pp. 26–35, 2012.
 - [76] R. C. Leou, “A multi-year transmission planning under a deregulated market,” *Int. J. Electr. Power Energy Syst.*, vol. 33, no. 3, pp. 708–714, 2011.
 - [77] O. B. Tor and A. N. Guven, “Congestion-Driven Transmission Planning Considering the Impact of Generator Expansion,” *IEEE Trans. Power Syst.*, vol. 23, no. 2, pp. 781–789, 2008.
 - [78] P. Maghouli, S. H. Hosseini, and M. O. Buygi, “A Multi-Objective Framework for Transmission Expansion Planning in Deregulated Environments,” *IEEE Trans. Power Syst.*, vol. 24, no. 2, pp. 1051–1061, 2009.
 - [79] A. A. Foroud, A. A. Abdoos, R. Keypour, and M. Amirahmadi, “Electrical Power and Energy Systems A multi-objective framework for dynamic transmission expansion planning in competitive electricity market,” *Int. J. Electr. Power Energy Syst.*, vol. 32, no. 8, pp. 861–872, 2010.
 - [80] S. De Torre, A. J. Conejo, J. Contreras, and S. Member, “Transmission Expansion Planning in Electricity Markets,” *IEEE Trans. Power Syst.*, vol. 23, no. 1, pp. 238–248, 2008.
 - [81] L. P. Garcés, A. J. Conejo, and R. García-bertrand, “A Bilevel Approach to Transmission Expansion Planning Within a Market Environment,” *IEEE Trans. Power Syst.*, vol. 24, no. 3, pp. 1513–1522, 2009.
 - [82] R. D. Cruz-Rodríguez and G. Latorre-Bayona, “HIPER : Interactive Tool for Mid-Term Transmission Expansion Planning in a Deregulated Environment,” *IEEE Power Eng. Rev.*, pp. 61–62, 2000.
 - [83] A. Motamedi, H. Zareipour, M. O. Buygi, and W. D. Rosehart, “A Transmission Planning Framework Considering Future Generation Expansions in Electricity Markets,” *IEEE Trans. Power Syst.*, vol. 25, no. 4, pp. 1987–1995, Nov. 2010.
 - [84] T. Kristiansen and J. Rosellón, “Merchant electricity transmission expansion : A European case study,” *Energy*, vol. 35, no. 10, pp. 4107–4115, 2010.
 - [85] Q. Hu, G. Huang, Y. Cai, and Y. Huang, “Feasibility-based inexact fuzzy programming for electric power generation systems planning under dual uncertainties,” *Appl. Energy*, vol. 88, no. 12, pp. 4642–4654, 2011.
 - [86] R. Fang and D. J. Hill, “A New Strategy for Transmission Expansion in Competitive Electricity Markets,” *IEEE Trans. Power Syst.*, vol. 18, no. 1, pp. 374–380, 2003.
 - [87] T. Akbari, M. Heidarizadeh, M. Abdi, and M. Abroshan, “Towards integrated planning : Simultaneous transmission and substation expansion planning,” *Electr.*

- [88] J. H. Roh, M. Shahidehpour, and L. Wu, “Market-based generation and transmission planning with uncertainties,” *IEEE Trans. Power Syst.*, vol. 24, no. 3, pp. 1587–1598, 2009.
- [89] P. Linares, “Multiple Criteria Decision Making and Risk Analysis as Risk Management Tools for Power Systems Planning,” *IEEE Trans. Power Syst.*, vol. 17, no. 3, pp. 895–900, 2002.
- [90] M. O. Buygi, H. M. Shanechi, and G. Balzer, “Network Planning in Unbundled Power Systems,” *IEEE Trans. Power Syst.*, vol. 21, no. 3, pp. 1379–1387, 2006.
- [91] D. Z. Fitiwi, F. De Cuadra, L. Olmos, and M. Rivier, “A new approach of clustering operational states for power network expansion planning problems dealing with RES (renewable energy source) generation operational variability and uncertainty,” *Energy*, vol. 90, pp. 1360–1376, 2015.
- [92] S.-L. Chen, T.-S. Zhan, and M.-T. Tsay, “Generation expansion planning of the utility with refined immune algorithm,” *Electr. Power Syst. Res.*, vol. 76, no. 4, pp. 251–258, 2006.
- [93] C. H. Antunes, A. G. Martins, and I. Sofia, “A multiple objective mixed integer linear programming model for power generation expansion planning,” *Energy*, vol. 29, pp. 613–627, 2004.
- [94] G. Strbac, C. Ramsay, and D. Pudjianto, “Sustainable Electrical Energy Integration of Distributed Generation into the UK Power System Summary Report,” *Summ. Rep.*, 2007.
- [95] T. Akbari, A. Rahimikian, and A. Kazemi, “A multi-stage stochastic transmission expansion planning method,” *Energy Convers. Manag.*, vol. 52, no. 8–9, pp. 2844–2853, 2011.
- [96] G. Qu, H. Cheng, L. Yao, Z. Ma, and Z. Zhu, “Transmission surplus capacity based power transmission expansion planning,” *Electr. Power Syst. Res.*, vol. 80, pp. 19–27, 2010.
- [97] C. Unsihuay-Vila, J. W. Marangon-Lima, A. C. Zambroni De Souza, and I. J. Perez-Arriaga, “Multistage expansion planning of generation and interconnections with sustainable energy development criteria: A multiobjective model,” *Int. J. Electr. Power Energy Syst.*, vol. 33, no. 2, pp. 258–270, 2011.
- [98] A. Pina, C. Silva, and P. Ferrão, “The impact of demand side management strategies in the penetration of renewable electricity,” *Energy*, vol. 41, no. 1, pp. 128–137, 2012.
- [99] A. Zangeneh, S. Jadid, and A. Rahimi-kian, “A hierarchical decision making model for the prioritization of distributed generation technologies : A case study for Iran,” *Energy Policy*, vol. 37, no. 12, pp. 5752–5763, 2009.
- [100] J. Marecek, M. Mevissen, and J. C. Villumsen, “MINLP in transmission expansion planning,” *Power Syst. Comput. Conf.*, pp. 1–8, 2016.
- [101] T. Ackermann, G. Andersson, and L. Soder, “Distributed generation : a definition,” *Electr. Power Syst. Res.*, vol. 57, pp. 195–204, 2001.
- [102] G. Chiandussi, M. Codegone, S. Ferrero, and F. E. Varesio, *Comparison of multi-objective optimization methodologies for engineering applications*, vol. 63, no. 5.

- [103] J. F. Bérubé, M. Gendreau, and J. Y. Potvin, "An exact ϵ -constraint method for bi-objective combinatorial optimization problems: Application to the Traveling Salesman Problem with Profits," *Eur. J. Oper. Res.*, vol. 194, no. 1, pp. 39–50, 2009.
- [104] M. Reza, A. Ahmadi, A. Esmaeel, and A. Ghaedi, "Mixed integer programming of multi-objective security-constrained hydro / thermal unit commitment," *Renew. Sustain. Energy Rev.*, vol. 29, pp. 911–923, 2014.
- [105] G. Mavrotas, "Effective implementation of the ϵ -constraint method in Multi-Objective Mathematical Programming problems," *Appl. Math. Comput.*, vol. 213, no. 2, pp. 455–465, 2009.
- [106] H. Zhang, "Transmission expansion planning for large power Systems," *Arizona State Univ.*, no. December, p. 178, 2013.
- [107] M. Lydia, S. S. Kumar, A. I. Selvakumar, and G. E. Prem Kumar, "A comprehensive review on wind turbine power curve modeling techniques," *Renew. Sustain. Energy Rev.*, vol. 30, pp. 452–460, 2014.
- [108] L. L. Garver, "Transmission Network Estimation Using Linear Programming," *IEEE Trans. Power Appar. Syst.*, vol. PAS-89, no. 7, pp. 1688–1697, 1970.
- [109] N. Alguacil, A. L. Motto, and A. J. Conejo, "Transmission Expansion Planning : A Mixed-Integer LP Approach," *IEEE Trans. POWER Syst.*, vol. 18, no. 3, pp. 1070–1077, 2003.
- [110] NREL, "Cost and Performance data for Power Generation Technologies," 2012.
- [111] NREL, "System Advisor Model (SAM) Version 2015.1.30," 2015.
- [112] L. Guzman, A. Henao, and R. Vasquez, "Simulation and optimization of a parabolic trough solar power plant in the city of Barranquilla by using system advisor model (SAM)," *Energy Procedia*, vol. 57, pp. 497–506, 2014.
- [113] A. Dobos, T. Neises, and M. Wagner, "Advances in CSP simulation technology in the System Advisor Model," *Energy Procedia*, vol. 49, pp. 2482–2489, 2014.
- [114] A. J. Conejo, L. Baringo Morales, S. J. Kazempour, and A. S. Siddiqui, *Investment in Electricity Generation and Transmission - Decision Making under Uncertainty*, First Edit. Switzerland: Springer International Publishing, 2016.
- [115] S. Haffner, A. Monticelli, A. Garcia, J. Mantovani, and R. Romero, "Branch and bound algorithm for transmission system expansion planning using a transportation model," *IEE Proc. - Gener. Transm. Distrib.*, vol. 147, no. 3, pp. 149–156, 2000.