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|  | Sincronización por GPS | Implementación de Filtro de Kalman No Lineal para el Algoritmo DSE | Planteamiento de la DSE a partir de SSE | Planteamiento del algoritmo usando el Método de Monte Carlo | Planteamiento de la DSE basada en Protecciones | Se presenta desarrollo teórico del Algoritmo DSE | Desarrollo del DSE en Ambiente de Pruebas | Desarrollo del DSE con uso de PMU |
| Power System Dynamic State Estimation: Motivations, Definitions, Methodologies, and Future Work [1]. |  | **X** | **X** |  |  | **X** |  |  |
| PMU-Based Dynamic State Estimation for Electric Power Systems [2]. | **X** |  | **X** |  |  | **X** | **X** |  |
| Dynamic State Estimation- Based Protection: Status and Promise [3]. |  |  |  |  | **X** | **X** | **X** |  |
| Dynamic State Estimation Based Protection on Series Compensated Transmission Lines [4]. | **X** |  |  |  | **X** | **X** | **X** |  |
| Dynamic State Estimation -based Protection of Power Transformers [5]. | **X** |  |  |  | **X** | **X** | **X** |  |
| Comparative Implementation of High-Performance Computing for Power System Dynamic Simulations [6]. |  |  | **X** |  |  | **X** | **X** |  |
| A Predictive Generator Out-of-Step Protection and Transient Stability Monitoring Scheme Enabled by a Distributed Dynamic State Estimator [7]. |  |  |  |  | **X** | **X** | **X** |  |
| A Robust Iterated Extended Kalman Filter for Power System Dynamic State Estimation [8]. |  | **X** | **X** |  |  | **X** |  |  |
| Power System Robust Decentralized Dynamic State Estimation Based on Multiple Hypothesis Testing [9]. | **X** | **X** |  |  |  | **X** | **X** |  |
| Robust Online Estimation of Power System Center of Inertia Frequency [10]. |  | **X** |  |  |  | **X** | **X** |  |
| A Robust Dynamic State Estimator Against Exciter Failures [11]. |  | **X** |  |  | **X** | **X** |  |  |
| Dynamic state estimation of a synchronous machine using PMU data: A comparative study [12] |  | **X** | **X** | **X** |  | **X** |  | **X** |

# Referencias

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| [1] | J. Zhao et al., "Power System Dynamic State Estimation: Motivations, Definitions, Methodologies, and Future Work," in IEEE Transactions on Power Systems, vol. 34, no. 4, pp. 3188-3198, July 2019, doi: 10.1109/TPWRS.2019.2894769.. |
| [2] | E. Farantatos, G. K. Stefopoulos, G. J. Cokkinides, and A. P. Meliopoulos, “PMU-based dynamic state estimation for electric power systems,” in Proc. IEEE Power Eng. Soc. General Meeting, 2009,pp. 1–8.. |
| [3] | A. P. Meliopoulos et al., “Dynamic state estimation based protection: Status and promise,” IEEE Trans. Power Del., vol. 32, no. 1, pp. 320–330, Feb. 2017.. |
| [4] | Y. Liu, A. P. S. Meliopoulos, R. Fan, L. Sun, and Z. Tan, “Dynamic state estimation based protection on series compensated transmission lines,” IEEE Trans. Power Del., vol. 32, no. 5, pp. 2199–2209, Oct. 2017.. |
| [5] | R. Fan, A. P. S. Meliopoulos, G. J. Cokkinides, L. Sun, and Yu Liu,“Dynamic state estimation-based protection of power transformers,” in Proc. IEEE Power Energy Soc. General Meeting, 2015, pp. 1–5.. |
| [6] | S. Jin, Z. Huang, R. Diao, D. Wu, and Y. Chen, “Comparative implementation of high performance computing for power system dynamic simulations,” IEEE Trans. Smart Grid, vol. 8, no. 3, pp. 1387–1395,. |
| [7] | E. Farantatos, R. Huang, G. J. Cokkinides and A. P. Meliopoulos, "A Predictive Generator Out-of-Step Protection and Transient Stability Monitoring Scheme Enabled by a Distributed Dynamic State Estimator," in IEEE Transactions on Power Delivery, vol. 31, n. |
| [8] | J. Zhao, M. Netto and L. Mili, "A Robust Iterated Extended Kalman Filter for Power System Dynamic State Estimation," in IEEE Transactions on Power Systems, vol. 32, no. 4, pp. 3205-3216, July 2017, doi: 10.1109/TPWRS.2016.2628344.. |
| [9] | J. Zhao and L. Mili, "Power System Robust Decentralized Dynamic State Estimation Based on Multiple Hypothesis Testing," in IEEE Transactions on Power Systems, vol. 33, no. 4, pp. 4553-4562, July 2018, doi: 10.1109/TPWRS.2017.2785344.. |
| [10] | J. Zhao, Y. Tang and V. Terzija, "Robust Online Estimation of Power System Center of Inertia Frequency," in IEEE Transactions on Power Systems, vol. 34, no. 1, pp. 821-825, Jan. 2019, doi: 10.1109/TPWRS.2018.2879782.. |
| [11] | A. Rouhani and A. Abur, "A robust dynamic state estimator against exciter failures," 2016 North American Power Symposium (NAPS), Denver, CO, USA, 2016, pp. 1-6, doi: 10.1109/NAPS.2016.7747998.. |
| [12] | N. Zhou, D. Meng, Z. Huang and G. Welch, "Dynamic State Estimation of a Synchronous Machine Using PMU Data: A Comparative Study," in IEEE Transactions on Smart Grid, vol. 6, no. 1, pp. 450-460, Jan. 2015, doi: 10.1109/TSG.2014.2345698.. |