

List of publications

Michela Tartaglione

- 2021** Della Cioppa L., Pascarella A., Pitolli A., Tartaglione M.. On the feasibility of random sampling for EEG inverse problem. Abstract accettato alla Conferenza Simai 2020+2021, MS-19 New Mathematical Voices for Biomedicine and Neuroscience, Parma, 30 Agosto-3 Settembre 2021, <http://www.simai.unipr.it/conference-program/1/>.
- Della Cioppa L., Pascarella A., Pitolli A., Tartaglione M.. Random sampling and solution of the EEG inverse problem. Abstract accettato al Workshop Indam "NonInvasive Mathematics", Online, 13-16 Aprile 2021, https://www.dima.unige.it/~sorrentino/noninvasive_math_abstracts.html.
- Bruni, V., Tartaglione, M., Vitulano, D.. A Pde-based Analysis of the Spectrogram Image for Instantaneous Frequency Estimation. *Mathematics*, 9(3), 247, 2021. doi: <https://doi.org/10.3390/math9030247>.
- Bruni, V., Tartaglione, M., Vitulano D., Coherence of PRNU weighted estimations for improved source camera identification, *Multimedia Tools and Applications*, 2021, doi: <https://doi.org/10.1007/s11042-020-10477-5>.
- 2020** Bruni, V., Tartaglione, M., Vitulano, D.. A Signal Complexity-Based Approach for AM-FM Signal Modes Counting. *Mathematics*, 8, MDPI, 2170, 2020. <https://doi.org/10.3390/math8122170>.
- Bruni, V., Tartaglione, M., Vitulano, D.. Radon spectrogram-based approach for automatic IFs separation. *EURASIP Journal on Advances in Signal Processing*, 13, 2020. doi: <https://doi.org/10.1186/s13634-020-00673-8>.
- 2019** Bruni, V., Tartaglione, M., Vitulano, D.. An iterative approach for spectrogram reassignment of frequency modulated multicomponent signals. *Mathematics and Computers in Simulation*, 176, 96–119, 2019. doi: <https://doi.org/10.1016/j.matcom.2019.11.006>.
- Bruni, V., Tartaglione, M., Vitulano, D.. Instantaneous frequency modes separation via a Spectrogram-Radon based approach. In 2019 11th International Symposium on Image and Signal Processing and Analysis (ISPA), pp. 347–351, IEEE. doi: <https://doi.org/10.1109/ISPA.2019.8868843>.
- Bruni, V., Tartaglione, M., Vitulano, D.. A Fast and Robust Spectrogram Reassignment Method. *Mathematics*, 7(4), 358, 2019. doi: <https://doi.org/10.3390/math7040358>.
- 2018** Bruni, V., Tartaglione, M., Vitulano, D.. On the time-frequency reassignment of interfering modes in multicomponent FM signals. In 2018 26th European Signal Processing Conference (EUSIPCO), pp. 722–726, IEEE. doi: <https://doi.org/10.23919/EUSIPCO.2018.8553498>.

Bruni, V., Tartaglione, M., Vitulano, D.. An iterative spectrogram reassignment of frequency modulated multicomponent signals. In MASCOT2018-15th Meeting On Applied Scientific Computing and Tools, <https://www.imacs2021.eu/index.php/MASCOT2018/MASCOT2018/paper/view/327>.