

Numerical Analysis AND Optimization Days (JANO'13)

Khouribga, February 22-24, 2021

MS144. Meshless methods for PDEs.

Organizers: **Noureddine Aboutabet** (Sultan Moulay Slimane University, Morocco)

& **Mohamed Addam** (University Abdelmalek Saadi, Morocco)

Monday, February 22, 2021 (14h--16h15)

| n° | Title and Authours | Time table |
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| 1 | R. El Kadmiri , Y. Belaasilia, A. Timesli and My. S. Kadiri: A coupled Meshless-FEM method based on strong form MLS for structural analysis | 14h00--14h10 |
| 2 | Z. El Majouti , R. El Jid and A. Hajjaj: Application of meshless method for solving Fredholm-Hammerstein integral equations on 2D irregular domains. | 14h15--14h25 |
| 3 | Z. Saffah , A. Timesli, A. Azouani and H. Lahmam, New RBF collocation method based on genetic algorithm for the optimal shape parameter. | 14h30--14h40 |
| 4 | A. Timesli and S. Hassouna : Optimal support size for mesh-free approaches using genetic algorithm. | 14h45--14h55 |
| 5 | A. El Hakoume , L. Afraites, A. Hadri, A. Laghrib: Non-local diffusion equation on graph. | 15h00--15h10 |
| 6 | S. Baghdadi and N. Aboutabit: Detection of Prohibited Vehicle Overtaking | 15h15--15h25 |

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| 7 | A. Ourdou , A. Ghazdali and A. Metrane: Fingerprint separation using Blind Source Separation. | 15h30--15h40 |
| 8 | M. Ameur , N. Idrissi and C. Daoui: Color Images Segmentation using Non-Stationary Hidden Markov Model. | 15h45-15h55 |
| 9 | M. Dahbali , N. Aboutabit and N. Lamghari: An improved segmentation of Arabic handwriting words. | 16h00-16h10 |