

# Workshop on Functional Analysis in Alhucemas

## PROGRAM

| FRIDAY 12 SEPTEMBER |   |  |
|---------------------|---|--|
| 09:00 – 09:30 h     | <b>Welcome</b>  |  |
| 09:30 – 10:00 h     | <b>Opening ceremony</b>   |  |
| 10:00 – 10:35 h     | Vicente Montesinos<br><i>Preserved and unpreserved extreme points in Banach spaces</i>  |  |
| 10:35 – 11:10 h     | Antonio Jiménez<br><i>Compactness for Lipschitz operators</i>   |  |
| 11:10 – 11:30 h     | COFFEE  |  |
| 11:30 – 12:05 h     | Hassane Zguiti<br><i>Generalized Drazin invertibility for operator matrices</i>   |  |
| 12:05 – 12:40 h     | Hassan Zariouh<br><i>Property (ab) and property (aw) for direct sums</i>  |  |
| 12:40 – 13:15 h     | Mohamed Amouch<br><i>Some spectral properties for generalized derivations</i>   |  |
| 13:15 – 15:30 h     | LUNCH TIME  |  |
| 15:30 – 18:30 h     | PARALLEL SESSIONS   |  |
| 15:30 – 15:50 h     | Douiri Sidi Mohamed<br><i>Strongly non-linear elliptic problems having natural growth and <math>L^1</math> data in Musielak-Orlicz spaces</i> | Aberqi Ahmed<br><i>A well-posed nonlinear parabolic system involving irregular data</i>  |
| 15:50 – 16:10 h     | Ait Khellou Mustafa<br><i>Existence of solutions for elliptic equations having natural growth terms in Musielak-Orlicz spaces</i>             | Mohamed Hammoumi<br><i>Nonlinear degenerated parabolic equation with lower order terms</i>   |
| 16:10 – 16:30 h     | COFFEE  |  |
| 16:30 – 16:50 h     | Youssef El Hadfi<br><i>Existence and regularity results for some parabolic equations with degenerate coercivity</i>                           | Mounir Mekkour<br><i>On some nonlinear parabolic problems</i>  |
| 16:50 – 17:10 h     | El hamdaoui Bouchra<br><i>Renormalized solution of a nonlinear parabolic problem with variable exponent and <math>L^1</math> data</i>         | Sedki Samadi<br><i>Fixed point theory in modular function spaces</i>   |
| 17:10 – 17:30 h     | Aziz Fri<br><i>Renormalized solution for strongly nonlinear elliptic problems with lower order terms and <math>L^1</math>-data</i>            | Tahiri Ismail<br><i>(f, g)-Boyd-Wong contraction mappings in probabilistic metric space</i>  |
| 17:30 – 17:50 h     | Benboubker Mohamed<br><i>Equivalence between entropy and renormalized solutions for elliptic equations with variable exponent</i>             | Islam Eddine Hadi<br><i>Bochner integral and differentiation for vector valued functions in arbitrary locally convex topological vector spaces</i> |
| 17:50 – 18:10 h     | Morchid Alaoui My Driss<br><i>On the spectrum of the p-</i>   | Rachid Naciri<br><i>Some topological properties in</i>   |

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|                 |   |  |
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|                 | <i>biharmonic operator involving <math>p</math><br/>Hardy's inequality</i>                                | <i>probabilistic metric spaces</i>                 |
| 18:10 - 18:30 h | Mohamed Salem Ghary<br><i>Nonlinear degenerate diffusion<br/>problems with not uniformly<br/>coercive</i> | Mohammed Kachad<br><i>New Weyl-type theorems-I</i> |

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|------------------------------|--|
| <b>SATURDAY 13 SEPTEMBER</b> |  |
| 10:00 – 10:35 h              | José Orihuela<br><i>On Bishop-Phelps, James' compactness and Godefroy's boundaries<br/>theorems</i>                        |
| 10:35 – 11:10 h              | Fernando García<br><i>On separating <math>\sigma</math>-isolated families</i>  |
| 11:10 – 11:30 h              | COFFEE   |
| 11:30 – 12:05 h              | Matías Raja<br><i>Improving the modulus of convexity</i>   |
| 12:05 – 12:40 h              | Gaspar Mora<br><i>The lower bounds of the real parts of the zeros of the partial sums of<br/>the Riemann zeta function</i> |
| 12:40 – 13:15 h              | Tijani Pakhrou<br><i>Best simultaneous approximation in Banach spaces</i>  |
| 13:15 – 15:00 h              | LUNCH TIME   |
| 15:30 – 21:00 h              | <b>VISIT TO SOME HISTORICAL AND REPRESENTATIVE<br/>AREAS OF AL HOCEIMA</b>   |