454 F-PM **A data-driven procedure to characterize the electrophysiology of any cortical area using TMS/hd-EEG,** *S Casarotto, AG Casali, M Rosanova, M Mariotti, M Massimini, Dept. Clinical Sciences, Hospital L. Sacco, University of Milan, Milan, Italy*

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462 F-PM* (O-SU6) **Disease State Prediction from Resting State FMRI,** *RC Craddock, PE Holtzheimer, XP Hu, HS Mayberg, School of Electrical and Computer Engineering, Georgia Institute of Technology, Atlanta, GA, USA*

464 F-PM **Barycentric Discriminant Analysis (BDA): a new pattern recognition classifier that identifies voxels and regions of interest relevant for classification of functional brain imaging data.,** *MD Devous, H Abdi, LJ Williams, M Posamentier, TS Harris, UT Southwestern Medical Center, Dallas, TX, USA*

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468 F-PM **Classification of Multi-Channel EEG: The SLEX-Shrinkage Approach,** *H Ombao, H Boehm, R von Sachs, J Sanes, Brown University, Providence, RI, USA*

470 F-PM **Naïve Bayes Classification of Belief verses Disbelief using Event Related Neuroimaging Data,** *PK Douglas, SB Harris, MS Cohen, Dept. Biomedical Engineering, UCLA, Los Angeles, CA, USA*

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474 F-PM **Optimizing processing choices for motion compensation in pediatric fMRI,** *J.W. Evans, R.M. Todd, M.J. Taylor, S.C. Strother, University of Toronto, Toronto, ON, Canada*

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478 F-PM **Gradient Artifact Reduction in Simultaneous EEG-fMRI acquisition with Spiral in-out pulse sequences,** *S Ryali, V Menon, G H Glover, stanford, Palo Alto, CA, USA*

480 F-PM **NetBrainWork: a toolbox for studying functional interactions in large-scale brain networks in fMRI,** *V Perlbarg, G Marrelec, P Bellec, D Coynel, M Pélégrini-Issac, H Benali, Inserm, U 678, Laboratoire d'Imagerie Fonctionnelle, Paris, France*

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484 F-PM **Correction for Pulse Height Variability Reduces Noise in fMRI Studies of Spontaneous Brain Activity,** *PJ van Houdt, PPW Ossenblok, PAJM Boon, FSS Leijten, DN Velis, CJ Stam, JC de Munck, Epilepsy Centre Kempenhaeghe, Heeze, Netherlands*