

Publications de Matthieu PHILIPPE

Légende

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1. Thèses et mémoires

1.b. Thèses de doctorat

 M. Philippe. "Magnetic properties of structures combining bulk high temperature superconductors and soft ferromagnetic alloys." Unpublished post doctoral thesis, Université de Liège, Liège, Belgique, 2015.

<http://hdl.handle.net/2268/185059>

Jury: P. Vanderbemden (Promotor), C. Geuzaine, B. Vanderheyden, H. Caps, K. Berger, and X. Granados.

3. Articles dans des revues scientifiques avec peer reviewing

3.a. À portée internationale

En tant que premier ou dernier auteur

 M. Philippe, M. D. Ainslie, L. Wera, J.-F. Fagnard, A. Dennis, Y. Shi, D. A. Cardwell, B. Vanderheyden, and P. Vanderbemden. "Influence of soft ferromagnetic sections on the magnetic flux density profile of a large grain, bulk Y-Ba-Cu-O superconductor." *Superconductor Science and Technology* 28 (juillet 2015): 095008.

<http://hdl.handle.net/2268/184532>

 M. Philippe, J.-F. Fagnard, S. Kirsch, Z. Xu, A. Dennis, Y. Shi, D. A. Cardwell, B. Vanderheyden, and P. Vanderbemden. "Magnetic characterisation of large grain, bulk Y-Ba-Cu-O superconductor-soft ferromagnetic alloy hybrid structures." *Physica C: Superconductivity* 502 (juillet 2014): 20-30.

<http://hdl.handle.net/2268/169270>

En tant que co-auteur

 P. Stachowiak, J. Mucha, D. Szewczyk, Y. Zhai, C. H. Hsu, T. A. Coombs, J.-F. Fagnard, M. Philippe, and P. Vanderbemden. "Thermal properties of Ti-doped Cu-Zn soft ferrites used as thermally actuated material for magnetizing superconductors." *Journal of Physics : D Applied Physics* 49 (2016): 125004.

<http://hdl.handle.net/2268/194129>

 R. Egan, M. Philippe, L. Wera, J.-F. Fagnard, B. Vanderheyden, A. Dennis, Y. Shi, D. A. Cardwell, and P. Vanderbemden. "A flux extraction device to measure the magnetic moment of large samples; application to bulk superconductors." *Review of Scientific Instruments* 86, no. 2 (février 13, 2015): 025107.

<http://hdl.handle.net/2268/178332>

 M. Haghighi, A. A. Yousefi, M. J. Z. Mehr, A. Léonard, M. Philippe, P. Compère, A. Léonard, and N. Job. "Correlation between morphology and electrical conductivity of dried and carbonized multi-walled carbon nanotube/resorcinol-formaldehyde xerogel composites." *Journal of Materials Science* 20 (2015): 6007-6020.

<http://hdl.handle.net/2268/183154>

9. Colloques et congrès scientifiques

9.a. Sur invitation

À portée internationale

P. Vanderbemden, T. Dennis, Y. H. Shi, D. A. Cardwell, S. Kirsch, B. Vanderheyden, M. Philippe, and J.-F. Fagnard. "Non-destructive measurement of volume magnetic properties of large, bulk superconductors." Paper presented at The 8th International Workshop on Processing and Applications of Superconducting (RE)BCO Large Grain Materials (PASREG 2012). Tainan, Taiwan, décembre 7, 2012.

<http://hdl.handle.net/2268/137312>

9.b. Sur proposition personnelle

Publiées

À portée internationale

Avec peer reviewing



M. Philippe, J.-F. Fagnard, L. Wera, M. Morita, S. Nariki, H. Teshima, H. Caps, B. Vanderheyden, and P. Vanderbemden. "Influence of crossed fields in structures combining large grain, bulk (RE)BCO superconductors and soft ferromagnetic discs." *Journal of Physics: Conference Series* 695 (2016): 012003.

<http://hdl.handle.net/2268/194750>

Communications uniquement orales ou poster

À portée internationale



M. Philippe, M. D. Ainslie, J.-F. Fagnard, L. Wera, A. Dennis, Y. Shi, D. A. Cardwell et al. "Influence of soft ferromagnetic materials on the magnetic flux density above large grain, bulk high temperature (RE)BCO superconductors: measurements and modelling." Paper presented at EUCAS 2015: 12th European Conference on Applied Superconductivity. Lyon, France, septembre 2015.

<http://hdl.handle.net/2268/186021>



M. Philippe, M. D. Ainslie, J.-F. Fagnard, L. Wera, A. Dennis, Y. Shi, D. A. Cardwell et al. "Trapped magnetic flux density and influence of crossed fields in structures combining large grain, bulk (RE)BCO superconductors and soft ferromagnetic discs." Paper presented at PASREG 2015: 9th International Workshop on Processing and Applications of Superconducting (RE)BCO Large Grain Materials. Liège, Belgium, septembre 2015.

<http://hdl.handle.net/2268/186023>



M. Philippe, M. D. Ainslie, J.-F. Fagnard, L. Wera, A. Dennis, Y. Shi, D. A. Cardwell, B. Vanderheyden, and P. Vanderbemden. "Magnetic flux distribution and hysteresis properties of bulk high temperature ferromagnet / superconductor / ferromagnet hybrid structures." Paper presented at ASC 2014 : Applied Superconductivity Conference. Charlotte, NC, août 2014.

<http://hdl.handle.net/2268/184533>



M. Philippe, J.-F. Fagnard, L. Wera, A. Dennis, Y. Shi, D. A. Cardwell, B. Vanderheyden, and P. Vanderbemden. "Magnetic hysteresis cycle and remnant field distribution of bulk high temperature superconductor / ferromagnet hybrids." Paper presented at EUCAS 2013: European Conference on Applied Superconductivity. Genova, Italy, septembre 2013.

<http://hdl.handle.net/2268/169267>



M. Philippe, J.-F. Fagnard, A. Dennis, Y. Shi, D. A. Cardwell, B. Vanderheyden, and P. Vanderbemden. "Magnetic behaviour of soft ferromagnetic alloys attached to bulk (RE)BCO superconductors." Paper presented at ASC 2012 : Applied Superconductivity Conference. Portland, OR, USA, octobre 2012.

<http://hdl.handle.net/2268/169269>

À portée nationale



M. Philippe, J.-F. Fagnard, L. Wera, A. Dennis, Y. Shi, D. A. Cardwell, B. Vanderheyden, and P. Vanderbemden. "Measurement of the magnetic hysteresis cycle of bulk superconductor / ferromagnet hybrids." Paper presented at 2013 BEMEKO workshop on measurement : Challenges and Opportunities. Liège, Belgium, novembre 7, 2013.

<http://hdl.handle.net/2268/169266>

