20 years of the Brazilian Meeting on Simulational Physics

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Abstract. The history behind 20 years of the Brazilian Meeting on Simulational Physics is briefly summarized, where the first version of the event took place in 1997 and the ninth one in 2017.

The idea of holding in Brazil an international meeting on simulation in physics was born in the fall of 1996, when one of us (BVC) was on a sabbatical year at the Center for Simulational Physics (CSP) in The University of Georgia, in Athens USA. The format was chosen to be as informal as possible, following the annual Workshops at CSP - Recent Developments in Computer Simulation Studies in Condensed Matter Physics - organized by Prof. David Landau. With this in mind, in early August 1997, at the Universidade Federal de Minas Gerais, in Belo Horizonte, Minas Gerais, Brazil, the first Brazilian Meeting on Simulational Physics (BMSP) took place, organized by Profs. B.V. Costa, D.P. Landau and A.T. Bernardes. It gathered more than 50 people, including foreign and domestic speakers, graduate and undergraduate students. The annals of this meeting were published in International Journal of Modern Physics C [1]. It was indeed a success, and a second meeting was immediately scheduled for August 1999. We intended to keep the meeting as a biannual event. It should be said that these two first meetings were organized in an artisan way, with extremely low budget (as the following ones), in Belo Horizonte, Minas Gerais.

The venue of the III, IV and V BMSP, which were held in 2003, 2005 and 2007, respectively, was the beautiful colonial city of Ouro Preto, still in the state of Minas Gerais. The attendance in these meetings had been considerably increased to about 70-80 people at the peak of the events.

Since Brazil hosted the CCP2008 (the IUPAP sponsored event on computational physics), the VI BMSP was held only in 2011, and for the first time out of the mountains of Minas Gerais. The chosen venue was the Pantanal region, in the state of Mato Grosso. It was also an attempt at taking such an important meeting to more remote Brazilian regions in order to enhance and motivate the computational physics community in those areas.

The experience and success of moving the meeting to different regions encouraged researchers from other universities to take the event to their places. So, the VII, VIII and IX meetings have been organized in João Pessoa (in the state of Paraíba), Florianópolis (in the state of Santa
Figure 1: A talk by Prof. David Landau on the I BMSP back in 1997. Belo Horizonte, Minas Gerais, Brazil.

![III BMSP – OURO PRETO 2003](image)

Figure 2: Participants of the III BMSP in 2003.

Catarina) and Natal (in the state of Rio Grande do Norte).

Moments of our meetings were captured in the photos shown in Figures 1 to 8. Some websites of the previous events are still on, and can be reached via the addresses listed in [2]. More information about the previous meetings can also be obtained from the foreword of the published proceedings listed in references [1, 3, 4, 5, 6, 7, 8].

1. Invited Speakers

The Table below lists the invited speakers of the Brazilian Meeting on Simulational Physics since its inauguration in 1997.
Acknowledgments

Of course, all these meetings benefitted from the collaboration of several people who dedicated themselves deeply to bring about a highly successful event. It would be almost impossible to express our immense gratitude to all of them herein. However, we would like very much to address some special thanks to Prof. D. Landau, from CSP-UGA, who always provided us with his presence, excellent talks and suggestions for speakers. We could not forget Prof. Américo Bernardes from UFOP, without whom it would be certainly impossible to organize the initial meetings, specially in Ouro Preto. Prof. Paulo Murilo Oliveira is also gratefully acknowledged and Prof. Steve Lewis for his help with the manuscript. Concerning the financial support, we would like to thank the Brazilian agencies FAPEMIG, CAPES and CNPQ, as well as the federal
Figure 5: Participants of the VI BMSP in 2011. The head text is in Portuguese, as it appears in the website. Some of the speakers are indicated by the arrows.

Figure 6: Participants of the VII BMSP in 2013.

universities UFMG, UFOP, UFMT, UFPB, UFRN (so far).

References

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Figure 7: Participants of the VIII BMSP in 2015.

Figure 8: Participants of the IX BMSP in 2017.
Table 1: List of the invited speakers of BMSP.

| MEETING | INVITED SPEAKERS |
|---------|------------------|
| I (1997) Belo Horizonte | D. Landau (USA), D. Stauffer (Germany), P. M. C. Castro (Brazil), T. J. P. Penna (Brazil), R. M. Zorzenon dos Santos (Brazil), C. S. Shida (Brazil), V. B. Henriques (Brazil), S. Moss de Oliveira (Brazil), T. G. Rappoport (Brazil), E. Miranda (Brazil), I. L. Menezes-Sobrinho (Brazil), A. Bernardes (Brazil), P. Z. Cunha (Brazil), O. N. Mesquita (Brazil), P. R. A Campos (Brazil), J. S. Sá Martins (Brazil), A. R. Lima (Brazil), A. R. R. Papa (Brazil), C. Moukarzel (Brazil) |
| II (1999) Belo Horizonte | Shan-Ho Tsai (USA), B. V. Costa (Brazil), J. G. Moreira (Brazil), J. Kamphorst L. Silva (Brazil), T. J. P. Penna (Brazil), P. M. C. Oliveira (Brazil), A. Bernardes (Brazil), R. Dickman (Brazil) (unfortunately, incomplete list) |
| III (2003) Ouro Preto | D. Landau (USA), K. Kaski (Finland), Y. Okabe (Japan), F. Aarão Reis (Brazil), Shan-Ho Tsai (USA), C. Scherer (Brazil), M. R. Braga (Brazil), S. Canuto (Brazil), W. Figueiredo (Brazil), M. Troyer (Switzerland), R. Bhatt (USA), R. Dickman (Brazil), U. H. E. Hausmann (Germany), J. P. R. (Brazil), M. de Oliveira (Brazil) |
| IV (2005) Ouro Preto | D. Landau (USA), P. M. C. Oliveira (Brazil), Shan-Ho Tsai (USA), V. B. Henriques (Brazil), N. Ito (Japan), R. Ziff (USA), H. Herrmann (Switzerland), K. Kremer (Germany), W. Janke (Germany), M. Novotny (USA), S. Lewis (USA), J. Kamphorst (Brazil), R. Dickman (Brazil) |
| V (2007) Ouro Preto | D. Landau (USA), M. Lyra (Brazil), Shan-Ho Tsai (USA), R. Almeida (Brazil), H. Herrmann (Switzerland), W. Paul (Germany), R. Dickman (Brazil), H. A. de Raedt (USA), A. Antonelli (Brazil), E. Luijten (Netherlands), D. Seaton (USA), T. Tome (Brazil) |
| VI (2011) Pantanal | D. Landau (USA), J. Yeomans (England), M. Novotny (USA), N. Ito (Japan), A. Thornton (USA), W. Figueiredo (Brazil), M. Barbosa (Brazil), R. Santos (Brazil), A. Bernardes (Brazil), P. M. Oliveira (Brazil), G. Krein (Brazil), A. Milchev (Bulgaria), B. V. da Costa (Brazil), R. Dickman (Brazil), M. Lyra (Brazil), D. Seaton (USA), M. Weigel (Germany), J. Rino (Brazil), S. Gonzalez (Netherlands) |
| VII (2013) João Pessoa | D. Landau (USA), C. McCabe (USA), A. Bernardes (Brazil), M. Bachmann (USA), J. Adler (Israel), H. Herrmann (Switzerland), Y. Okamoto (Japan), P. Campos (Brazil), B. V. Costa (Brazil), D. Perera (USA), A. Lima (Brazil), A. Malakis (Greece), S. Azevedo (Brazil), N. Ito (Japan), N. Wilding (England), S.-H. Tsai (USA), S. Ferreira (USA), P. Martins (Brazil), F. Schmid (Germany) |
| VIII (2015) Florianópolis | D. Landau (USA), B. Liewehr (USA), T. Prellberg (England), M. Bachmann (USA), R. Zorzenon (Brazil), J. G. Ramos (Brazil), J. Rocha (Brazil), M. Barbosa (Brazil), S. Lewis (Brazil), A. Valentim (Brazil), T. Schilling (Luxemburg), S. Boettcher (USA), L.F. Pereira (Brazil), N. Ito (Japan), S.-H. Tsai (USA), R. Dickman (Brazil), M. Ostilli (Brazil), G. Heinzelman (Brazil) |
| IX (2017) Natal | D. P. Landau (USA), F. Family (USA), L. F. C. Pereira (Brazil), U. Sleems (Germany), E. D. Leonel (Brazil), R. M. Almeida (Brazil), F. W. S. Lima (Brazil), B. V. Costa (Brazil), W. Krauth (France), Y.-W. Li (USA), A. Monastera (Argentina), L. A. Mol (Brazil), M. Barbosa (Brazil), T. Schilling (Germany), P. R. A. Campos (Brazil), S. Pilati (Italy), N. Ito (Japan), M. Bachmann (USA), K. Kremer (Germany), T. Macri (Brazil), L. Machado (Brazil), A. Farris (USA) |