



CERTIFICATE

celebrating Carlos Humes Jr.'s 70th birthday

XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Abel Soares Siqueira, Universidade Federal do Paraná**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Alexey F. Izmailov, Moscow State University**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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Manaus, Amazonas, Brazil

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We hereby certify that, **Alfredo Iusem**, Instituto Nacional de Matemática Pura e Aplicada, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Ana Flora Pereira de Castro Humes, USP - Escola Politécnica**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Benar Fux Svaiter**, Instituto Nacional de Matemática Pura e Aplicada, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Boris Mordukhovich, Wayne State University**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Carlos Humes Jr.**, Instituto de Matemática e Estatística, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Cesare Molinari, Universidad Técnica Federico Santa Maria**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Clara Macedo Lage**, Instituto Nacional de Matemática Pura e Aplicada, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, ***Claudeilsio do Nascimento Carvalho***, **Universidade Federal do Amazonas**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, ***Claudia Sagastizábal***, Instituto Nacional de Matemática Pura e Aplicada, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Clovis Gonzaga, Universidade Federal de Santa Catarina**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, ***Daiana dos Santos Viana***, Instituto de Matemática e Estatística, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Damián Fernández, Universidad Nacional de Córdoba**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Daniele Alencar Fabricio da Silva**, Universidade Federal do Amazonas, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, ***Débora Pretti Ronconi***, USP - Escola Politécnica, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, ***Diane Rizzotto Rossetto***, **Universidade Tecnológica Federal do Paraná**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Edfram Rodrigues Pereira**, **Universidade do Estado do Amazonas**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Edvaldo Elias de Almeida Batista**, Universidade Federal do Oeste da Bahia, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Elizabeth Wegner Karas**, **Universidade Federal do Paraná**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Ernesto G. Birgin**, Instituto de Matemática e Estatística, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Ezequiel dos Santos Brasil**, **Universidade Federal do Amazonas**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Felipe Ignacio Lara Obreque**, **Universidad de Tarapacá, Chile**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, ***Fernanda Maria Pereira Raupp***, **Laboratório Nacional de Computação Científica**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, ***Flavia Morgana de Oliveira Jacinto***, Universidade Federal do Amazonas, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Francisco Javier Benavides Lorca**, **Universidade Técnica Federico Santa Maria**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Francisco Nogueira Calmon Sobral**, **Universidade Estadual de Maringá**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Gabriel Haeser, Instituto de Matemática e Estatística da USP**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Geovani Nunes Grapiglia, Universidade Federal do Paraná**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, ***Gilson do Nascimento Silva***, **Universidade Federal do Oeste da Bahia**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, ***Glaydston de Carvalho Bento***, **Universidade Federal de Goiás**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, ***Gustavo Cunha da Silva Neto***, **Universidade Federal do Amazonas**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Immanuel Bomze, University of Vienna**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, ***Izabela Borges de Vasconcelos***, Universidade Federal do Amazonas, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Jan-J. Rückmann, University of Bergen**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Jefferson Divino Gonçalves de Melo, Universidade Federal de Goiás**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **João Carlos de Oliveira Souza**, Programa de Engenharia de Sistemas e Computação, Coppe/UFRJ, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **João Xavier da Cruz Neto**, Universidade Federal do Piauí, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Joaquim João Alarcão Júdice**, Univ. de Coimbra, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Jorge Luis Torrejón Matos**, Pontifícia Universidade Católica do Paraná, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Jose Alberto Ramos Flor**, Instituto Nacional de Matemática Pura e Aplicada, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Jose Luis Morales, Instituto Tecnológico Autonomo de Mexico**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **José Mario Martínez, IMECC**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **José Yunier Bello Cruz, Universidade Federal de Goiás**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Juan Enrique Martínez-Legaz**, **Universitat Autònoma de Barcelona**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, ***Leandro da Fonseca Prudente***, **Universidade Federal de Goiás**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Lucas Eduardo Azevedo Simões**, IMECC, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, ***Luis Felipe Cesar da Rocha Bueno***, **Universidade Federal de São Paulo**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Luis Mauricio Graña Drummond**, Universidade Federal do Rio de Janeiro, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Mael Sachine**, **Universidade Federal do Paraná**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, ***Marcia Helena Costa Fampa***, **Universidade Federal do Rio de Janeiro**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, ***Maria Daniela Sanchez***, **Universidad Nac. de la Plata**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Mario Salvatierra Junior**, **Universidade Federal do Amazonas**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Max Leandro Nobre Gonçalves, Universidade Federal de Goiás**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, ***Miguel Angel Dumett Canales***, **San Diego State University-Csrc**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Mikhail Solodov**, Instituto Nacional de Matemática Pura e Aplicada, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Mitsuhiro Fukuda, Tokyo Institute of Technology**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

Manaus, May 27th, 2016

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XI Brazilian Workshop on Continuous Optimization

Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Nadia Soledad Fazzio**, **Universidad Nac. de la Plata**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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May 22nd to 27th, 2016

We hereby certify that, **Orizon Pereira Ferreira, Universidade Federal de Goiás**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Osenildo Marques Maciel, Universidade Federal do Amazonas**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Paulo José da Silva e Silva, IMECC**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Paulo Sérgio Marques dos Santos**, Universidade Federal do Piauí, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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Manaus, Amazonas, Brazil

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We hereby certify that, **Pedro Antônio Soares Júnior**, **Universidade Estadual do Piauí**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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Manaus, Amazonas, Brazil

May 22nd to 27th, 2016

We hereby certify that, **Pedro Jorge Sousa dos Santos**, Programa de Engenharia de Sistemas e Computação, Coppe/UFRJ, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Renato D C Monteiro, Georgia Institute of Technology**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Roberto Andreani, IMECC**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Roberto Cominetti, Universidad Adolfo Ibáñez**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Roberto Cristóvão Mesquita Silva**, Universidade Federal do Amazonas, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Ronaldo Lopes, IMECC**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Rosiane de Freitas Rodrigues**, **Universidade Federal do Amazonas**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Sandra Augusta Santos, IMECC**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Sissy da Silva Souza**, **Universidade Federal do Piauí**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Suellen Paulino Lima, Universidade Federal do Amazonas**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Susana Scheimberg de Makler**, Programa de Engenharia de Sistemas e Computação, Coppe/UFRJ, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Thiago Parente da Silveira, Universidade Federal do Amazonas**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Wellington Luis de Oliveira**, **Universidade do Estado do Rio de Janeiro**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Wilfredo Sosa Sandoval**, **Universidade Catolica de Brasilia**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, ***Yachiko Nascimento Wakiyama***, **Universidade Federal do Amazonas**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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We hereby certify that, **Yuan Jin Yun, Universidade Federal do Paraná**, participated in the XI Brazilian Workshop on Continuous Optimization. Celebrating Carlos Humes Júnior's 70th birthday, held at Manaus - Amazonas, from May 22 to 27, 2016.

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