

# CERTIFICATE

IMPA, August 1-4, 2017

## Workshop on Conservation Laws and Applications

celebrating the 70th birthday of Dan Marchesin

We hereby certify that, **Adolfo Puime Pires**, **Universidade Estadual do Norte Fluminense**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

Rio de Janeiro, August 4<sup>th</sup>, 2017



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## Workshop on Conservation Laws and Applications

celebrating the 70th birthday of Dan Marchesin

We hereby certify that, **Alexei Mailybaev**, **Instituto Nacional de Matemática Pura e Aplicada**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Alvaro Marcello Marco Peres**, **Universidade Estadual do Norte Fluminense**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Amaury Alvarez Cruz**, **Universidad de la Habana**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Andrea Luiza Gonçalves Martinho**, **Universidade Federal Rural do Rio de Janeiro**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Antônio Sobrinho Campolina Martins**, **Universidade Federal de Juiz de Fora**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, ***Aparecido Jesuino de Souza***, **Universidade Federal da Paraiba - João Pessoa**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Cesar de Souza Eschenazi, Universidade Federal de Minas Gerais**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Ciro Sobrinho Campolina Martins**, Instituto Nacional de Matemática Pura e Aplicada, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, ***Daiana Gomes de Menezes***, Univ. Federal Fluminense - Volta Redonda, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Dan Marchesin**, Instituto Nacional de Matemática Pura e Aplicada, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Eduardo Cardoso de Abreu, IMECC**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Edwin Pedro López Bambarén**, **Universidade Federal de Roraima**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Erivaldo Diniz de Lima, Universidade Federal de Roraima**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Fabio Pereira dos Santos**, **Universidade Federal do Rio de Janeiro**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Frederico Furtado**, **University of Wyoming**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Grigori Chapiro, Universidade Federal de Juiz de Fora**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Guilherme Tegoni Goedert**, Instituto Nacional de Matemática Pura e Aplicada, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Hugo Saraiva Tavares**, Instituto Nacional de Matemática Pura e Aplicada, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Ismael de Souza Ledoino**, **Laboratório Nacional de Computação Científica**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Jesus Carlos da Mota, Universidade Federal de Goiás**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Johannes Bruining, Delft University of Technology**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Jorge Ferreira, Univ. Federal Fluminense - Volta Redonda**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Jorge Sotomayor**, Instituto de Matemática e Estatística, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Kevin Zumbrun, Indiana University**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Leandro Tomaz de Araujo**, **Universidade Federal Rural do Rio de Janeiro**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Luis Fernando Lozano G.**, Instituto Nacional de Matemática Pura e Aplicada, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Marcelo Martins dos Santos, IMECC**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Marcus Vinícius Sarkis Martins, Worcester Polytechnic Institute**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Moritz Reintjes**, Instituto Superior Tecnico - Universidade de Lisboa, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Pablo Castañeda Rivera**, Instituto Tecnológico Autonomo de Mexico, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Patricio Luiz de Andrade, Instituto Federal da Paraíba**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Richard Alexander De la cruz Guerrero, IMECC**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Theodore D. Drivas, Princeton University**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Vernny Chávez Ccajma**, **Universidade Federal do Rio de Janeiro**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Vitor Manuel Martins de Matos, Universidade do Porto**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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We hereby certify that, **Wanderson Jose Lambert, Universidade Federal de Alfenas**, participated in the Workshop on Conservation Laws and Applications, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA - Rio de Janeiro, from August 1<sup>st</sup> to 4<sup>th</sup>, 2017.

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