

**IEEE Communications Society
Distinguished Lecturer Tour (DLT)
Report of the DLT in the Latin America Region
(Fortaleza, Rio de Janeiro, Campinas, Florianopolis)
20 October 2018 – 28 October 2018
Distinguished Lecturer: Marco Di Renzo**

The DLT started on 20 October 2018 from Paris, France.

I reached Fortaleza, Brazil, on 20 October 2018.

On 22 October 2018, I gave my first lecture at the Federal University of Ceará. My host was Professor Daniel B. da Costa. Before my talk, I had a fruitful meeting with several colleagues at the Federal University of Ceará on our current research activities. My talk was given in the morning and was titled “Stochastic Geometry Modeling and Optimization of Cellular Networks – Bridging Accuracy and Complexity”. I discussed my current research on stochastic geometry modeling of cellular networks. The lecture was attended by 40+ professors and students from the Federal University of Ceará. The talk was very interactive and engaging with the audience. After the talk, I had the opportunity to discuss with students and colleagues about their research activities.

On 22 October 2018, I moved to Rio de Janeiro, Brazil.

On 23 October 2018, I gave my second lecture at the Pontifical Catholic University of Rio de Janeiro. My host were Professor Rodrigo C. de Lamare and Dr. Waldo A. Russo, the Chairman of the Rio de Janeiro Chapter. My talk was given in the morning and was titled “Stochastic Geometry Modeling and Optimization of Cellular Networks – Bridging Accuracy and Complexity”. I discussed my current research on stochastic geometry modeling for the analysis and design of energy efficient cellular networks. The lecture was attended by 10+ professors and students. I received many questions from the audience and we engaged in a very long and fruitful discussion. After my talk, I had the opportunity to visit the research centers of the University and to discuss with local students and professors about their research activities.

On 23 October 2018, I moved to Campinas, Brazil.

On 24 October 2018, I gave my third lecture at the University of Campinas. My host was Professor Nelson da Fonseca. My first talk was given in the morning and was titled “Stochastic Geometry Modeling and Optimization of Cellular Networks – Bridging Accuracy and Complexity”. I discussed my current research on stochastic geometry modeling of cellular networks with special focus on inhomogeneous Poisson point processes. The lecture was attended by 25+ professors and students. The talk was very interactive and engaging with the audience. In particular, many graduate students attended the talk and we engaged in a very

fruitful discussion on the use of stochastic geometry for cellular networks design. After the talk, I had the opportunity to visit the University of Campinas and its research facilities, as well as to discuss with the professors in the department.

On 24 October 2018, I moved to Florianopolis, Brazil.

On 25 October 2018, I gave my final lecture at the Federal University of Santa Catarina, which was titled “Stochastic Geometry Modeling and Optimization of Cellular Networks – Bridging Accuracy and Complexity”. My host was Professor Bartolomeu F. Uchôa-Filho. The talk was attended by 15+ graduate students and professors. I received many questions from the audience. In the afternoon, I was able to visit the facilities of the university and to talk and discuss with the graduate students.

On 26 October 2018, I moved to Fortaleza where on 27 October 2018 I took my flight to Paris, France. I arrived in Paris on 28 October 2018.

I take this opportunity to thank all my hosts for the very warm hospitality during my entire stay in the Latin America Region.

Many thanks and best wishes,

Marco Di Renzo
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