

Operations Research Techniques and Applications School for Africa (ORTASA)

November. 20-29, 2018

Institute of Mathematics and Physics (IMSP), Dangbo, Rep. of Benin

Operation Research (OR) is an approach to decision-making based on scientific methods including Mathematics, Statistics and Computer Sciences that make use of extensive quantitative analysis. This school is aimed at gathering young researchers, graduate students (PhD and Master students) and professionals from African countries, with outstanding performance and interest in the areas Of Operations Research (OR), Machine learning, Systems Engineering and Applied Mathematics. Professionals are highly encouraged to attend this school that will focus on techniques and applications of OR in areas such as health, transport, communication, logistics, finance and information systems.



Topics and main speakers

Applications of OR to:

- a) **Telecoms** by **Adam Ouorou**, Orange, France
- b) **Finance** by **Tekogan Hemazro**, CDPQ, Canada
- c) **Logistics** by **Andréa Duhamel**, UTT, Troyes, France
- d) **Climate** by **Kathleen Vaillancourt**, ESMIA Canada
- e) **Transport** by **Issmail El Hallaoui**, Polytechnique, Canada
- f) **Health** by **Sheetal Silal**, UCT, South Africa

Optimizations Methods:

- g) **Column generation** by **Issmail El Hallaoui**, Polytechnique, Montreal
- h) **Heuristics and Metaheuristics** by **Celso da Cruz Carneiro Ribeiro**, Catholic U., Rio de Janeiro
- i) **Mathematical formulations of OR Problems** by **Luciana Buriol**, UFRGS, Brazil

Scientific committee

Brunilde SANSÒ, Polytech Montréal, Canada.

Adam Ouorou, Orange, France.

Mamadou Traoré, IIA, France.

Babacar Ndiaye, UCAD, Senegal

Contact : ortasa@imsp-uac.org

Sponsors :

Institute of Mathematics and Physics Sciences / University of Abomey Calavi / African Centre of Excellence in Mathematical Sciences and Applications/Ministry of Scientific Research, Benin, African Federation of Operations Research Societies

Organizing committees

From IMSP (imsp-benin.com):

Leonard Todjihounde, Joel Tossa, Guy Degla, Jules Dégila, Esther Chabi Adjobo

From AFROS (www.afrosocieties.org) :

Charles Malack Oloo, Bernie Lindner, Hatem Masri

Application and registration fees : Online application at : <https://goo.gl/forms/MXJAa6TH99lePI8I2> before **September 25th, 2018** and submit your resume and list of publications. The registration fees are **\$100**.

Grants : The ACE-MSA will provide a **limited number** of grants. Priority will be given to **female participants** from west and Central Africa West and Central African countries.

