

# Curriculum Vitae

**Belaid Aouni**

**Lic., B. Sc., MBA, Ph. D.**

**June 25, 2013**

## BELAÏD AOUNI'S BIO

Belaïd Aouni is a full professor at School of Commerce and Administration and past Director of the School of Commerce and Administration at Faculty of Management, Laurentian University (Canada). He was Vice-Dean Research at Faculty of Management and an Acting Director of the School of Graduate Studies, Laurentian University. He is the recipient of Laurentian University 2010 Research Excellence Award and the 2012 Teaching Excellence Award; he is also the recipient of 2005 Canadian Operational Research Society Service Award. He received a B.Sc. in Production and Operations Management from Tlemcen University (Algeria), an M.B.A. and a Ph.D. in Management Science/Operational Research from Laval University (Quebec, Canada). Dr. Aouni's teaching and research interests are related to the areas of multiple objective programming and goal programming, multiple criteria decision aid, mathematical programming, production planning and control, and supply chain and logistics management. Dr. Aouni has served as President of the Canadian Operational Research Society. His publications have appeared in top-tier journals such as *Journal of Operational Research Society*, *European Journal of Operational Research*, *Journal of Multi-Criteria Decision Analysis*, *Journal of Global Optimization*, *Information Systems and Operational Research*, *Applied Mathematics and Computation* and *International Transactions in Operational Research*. He is member of the Editorial Board of the *International Journal of Portfolio Analysis and Management*. He serves/has served as a reviewer and guest editor of many of these journals.

## PERSONAL INFORMATION

Name: Belaïd AOUNI  
Citizenship: Canadian  
Spoken and written languages: French, English and Arabic.  
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## EDUCATION

**Philosophiae Doctor (Ph.D.)** (Operational Research), Laval University (Sept. 1994-Feb.1998).

**Masters of Business Administration** (Operational Research), Laval University (1986-1988).

**Bachelor of Science (B. Sc.)** (Production and Operations Management), Tlemcen University, Algeria (1981-1985); with high distinction (First place).

## WORK EXPERIENCE

July 2011 to December 2012: **Director**, School of Commerce and Administration, Faculty of Management, Laurentian University.

January 2011 to July 2011: **Acting Director**, School of Graduate Studies, Laurentian University.

December 2008 to July 2011: **Vice-Dean Research**, Faculty of Management, Laurentian University

July 2002 to present: **Full Professor**

School of Commerce and Administration, Faculty of Management, Laurentian University

The courses taught are as follows:

- Theories in Interdisciplinary (Ph D in Human Studies)
- Production and Operations Management (MBA and undergrad)
- Business Statistics (undergrad)
- Introduction to Management Science (undergrad)
- Information Systems (undergrad)

July 2001 to June 2002: **Associate Professor**

School of Commerce and Administration, Faculty of Management, Laurentian University

The courses taught are as follows:

- Production and Operations Management
- Business Statistics
- Introduction to Management Science
- Information Systems

July 1999 to June 2001: **Assistant Professor**

School of Commerce and Administration, Faculty of Management, Laurentian University

The courses taught are as follows:

- Production and Operations Management,
- Business Statistics,
- Introduction to Management Science,
- Information Systems.

October 2000- December 2008: **Research Coordinator**

School of Commerce and Administration, Faculty of Management, Laurentian University.

April 2001 to present: **Adjunct Professor**

Faculté des Sciences Économiques et de Gestion, Université de Tlemcen, Algérie.

October 21 to November 6, 2010: **Visiting Professor**

Faculté des Sciences Économiques et de Gestion, Sfax, Tunisia

October 20 to November 7, 2009: **Visiting Professor**

Faculté des Sciences Économiques et de Gestion, Sfax, Tunisia

October 19 to November 3, 2008: **Visiting Professor**

Faculté des Sciences Économiques et de Gestion, Sfax, Tunisia

February 14 to March 4, 2007: **Visiting Professor**

Faculté des Sciences Économiques et de Gestion, Sfax, Tunisia

February 18 to March 6, 2006: **Visiting Professor**

Faculté des Sciences Économiques et de Gestion, Sfax, Tunisia

February 12 to March 1, 2005: **Visiting Professor**

Faculté des Sciences Économiques et de Gestion, Sfax, Tunisia

December 3 to December 21, 2004: **Visiting Professor**

Faculté des Sciences Économiques et de Gestion, Sfax, Tunisia.

April 5 to April 18, 2000: **Visiting Professor**

Faculté des Sciences Économiques et de Gestion, Sfax, Tunisia.

October 20 to November 5, 2003: **Visiting Professor**

l'Institut Supérieur de Gestion de l'Université de Tunis, Tunisie.

October 27 to November 4, 2000: **Visiting Professor**

Faculté des Sciences Économiques et de Gestion, Sfax, Tunisie.

August 1998 to July 1999: **Assistant Professor** (limited term position)

Operations and Decision Systems Department, Faculty of Business Administration, Laval University.  
The courses taught are as follows:

- Decision Aid (postgraduate);
- Operations management and technology (undergraduate);
- Statistics in management (undergraduate);
- Operations management (postgraduate);
- Probability in management (undergraduate);
- Operational research (undergraduate).

November 1996 to July 1998: **Research and Socio-Economic Planning Agent**

Operational Research and Planning Centre at the Ministry of Natural Resources, province of Quebec.  
I was in charge of the development of quantitative models for the planning of the cadastre reform program activities.

September 1995 July 1998: **Lecturer**

Operations and Decision Systems Department, Faculty of Business Administration, Laval University.  
The courses taught are as follows:

- Operations Management and Technology (undergraduate);
- Introduction to Quantitative Methods (undergraduate);
- Decision and Uncertainty (undergraduate);
- Production Management (postgraduate);
- Operational Research.

August 1991 to September 1994: **Analyst** (in computers and administrative procedures);

Systems planning section, Information Resources Centre, Quebec Ministry of Forestry (the office of the deputy minister). I was in charge of the cost/benefit analysis of information technology projects. Moreover, I was advisor to the project managers for the development of the computer systems within the ministry.

January 1990 to July 1991: **Assistant professor**

Operations and Decision Systems Department, Faculty of Business Administration, Laval University.  
The courses taught are as follows:

- Operations Management and Technology (undergraduate);
- Production Management (postgraduate);
- Quantitative Methods in Management (postgraduate);
- Statistics in Management (undergraduate);
- Decision and Uncertainty (undergraduate);
- Probability in Management (undergraduate);
- Modeling and Decision (undergraduate);
- Operational Research (undergraduate).

September 1990 to December 1990: **Consultant** at «le Centre francophone de recherche en informatisation des organisations (CEFRIO)».

The project consisted of evaluating the demand of the Quebec enterprises in telematics services (the organizations involved were the Quebec Bureau of Statistics, the Quebec Ministry of Communications and the CEFRIO).

January 1989 to December 1989 and from September 1991 to September 1994: **Lecturer**  
Operations and Decision Systems Department, Faculty of Business Administration, Laval University.  
The courses taught are as follows:

- Operations management and technology (undergraduate);
- Operations management (graduate)
- Quantitative methods in management (graduate)
- Models and decisions (undergraduate)
- Decision and uncertainty (undergraduate).
- Introduction to quantitative methods for management (undergraduate)
- Operational research I (undergraduate)

September 1988 to December 1988: **Professional researcher**  
Operations and Decision Systems Department, Faculty of Business Administration, Laval University.

April 1987 to September 1988: **Research assistant**  
Operations and Decision Systems Department, Faculty of Business Administration, Laval University.

## **PUBLICATIONS**

Aouni, B., "Comments on: Multicriteria Decision Systems for Financial Problems", *TOP-the Spanish Society of Statistics and Operations Research Journal*, Vol. 21, 2013 (262-264).

Aouni, B. and S. Laflamme, "From Monocriterion to Multicriteria Decision Aid: A Necessary but Unfinished Evolution in Operational Research", Forthcoming in *International Journal of Applied Decision Science*, 2013.

Smaoui, S. and B. Aouni, "Generalized Imprecise Goal Programming Model for Classification Problems", Forthcoming in *International Journal of Applied Decision Science*, 2013.

Aouni, B., C. Colapinto and D. La Torre, "Goal Programming Model", in *Mathematical Modeling with Multidisciplinary Applications*, Xin-She Yang (Ed.), John Willey & Sons, 2013 (397-420).

Cherif, M. S., B. Aouni and H. Chabchoub, "A Product Design Methodology and a Global Optimization Model for QFD Planning Process", Forthcoming in *International Journal of Applied Nonlinear Science*, 2013.

Aouni, Belaid; A. Hassaine and J.-M. Martel, "An Interactive Goal Programming Model Based on the Satisfaction Functions", *IEEE*, Proceedings of the 5<sup>th</sup> International Conference on Modeling, Simulation and Applied Optimization, 2013.

- Aouni, B. and J. Razmak, “Multi-Criteria Decision Support Systems: A Glorious History and a Promising Future”, *IEEE*, Proceedings of the 5<sup>th</sup> International Conference on Modeling, Simulation and Applied Optimization, 2013.
- El Fayedh R., F. Ben Abdelaziz and B. Aouni, “Scenario Generation for Multi-objective Stochastic Portfolio Selection”, *IEEE*, Proceedings of the 5<sup>th</sup> International Conference on Modeling, Simulation and Applied Optimization, 2013.
- Mezghani, S. H. Chabchoub and B. Aouni, “Manager’s Preferences Modeling within the Bi-Objectives Bin Packing Problem”, *IEEE*, Proceedings of the 5<sup>th</sup> International Conference on Modeling, Simulation and Applied Optimization, 2013.
- Kanoun, I., Y. Masmoudi, H. Chabchoub, and B. Aouni, “A Balanced Approach for Hazardous Waste Allocation Problem”, *IEEE*, Proceedings of the 5<sup>th</sup> International Conference on Modeling, Simulation and Applied Optimization, 2013.
- Boswarva, I and B. Aouni, “Different Probability Distributions for Portfolio Selection in the Chance Constrained Compromise Programming Model”, *Information Systems and Operational Research Journal*, Vol. 50, No. 3, 2012 (140-146).
- Aouni, B., C. Colapinto and D. La Torre, “A Cardinality Constrained Goal Programming Model with Satisfaction Function for Venture Capital Investment Decision Making”, Forthcoming in *Annals of Operations Research*, 2012.
- Aouni, B, F. Ben Abdelaziz and D. La Torre, “The Stochastic Goal Programming Model: Theory and Applications”, *Journal of Multi-Criteria Decision Analysis*, Vol. 19, No.5-6, 2012 (185-200).
- Aouni, B., C. Colapinto and D. La Torre, “Stochastic Goal Programming Model and Satisfaction Functions for Media Selection and Planning Problem”, *International Journal of Multi-Criteria Decision Making*, Vol. 2, No. 4, 2012 (391-407).
- Munro, M. and B. Aouni, “Group Decision-Makers’ Preferences Modeling in the Goal Programming Model: An Overview and a Typology”, *Journal of Multi-Criteria Decision Analysis*, Vol. 19, No.5-6, 2012 (169–184).
- Mezghani, M., T. Loukil et B. Aouni “Aggregate planning through the imprecise goal programming model: Integration of the manager’s preferences”, *International Transactions in Operational Research*, Vol. 19, No. 4, 2012 (581-597).
- Gagnon, M., G. D'Avignon and B. Aouni, “Resource-Constrained Project Scheduling through the Goal Programming Model: Integration of the Manager's Preferences”, *International Transactions in Operational Research*, Vol. 19, Vol. 4, 2012 (547-565).

- Foroughi, A. and B. Aouni, "New Approaches for Determining a Common Set of Weights for a Voting System", *International Transactions in Operational Research*, Vol. 19, No. 4, 2012 (521-530).
- Foroughi, A. and B. Aouni, "Ranking Units in DEA Based on Efficiency Intervals and Decision-Maker's Preferences", *International Transactions in Operational Research*, Vol. 19, Vol. 4, 2012 (567-579).
- Mezghani, M., T. Loukil and B. Aouni, "Manager Preferences Modelling for Stochastic Aggregate Planning", Multiple Criteria Decision Making'10-11, T. Trzaskalik and T. Wachowicz (Eds.), Publisher of the University of Economics in Katowice, Katowice, Poland, 2011 (149-162).
- Kammoun, R. and B. Aouni, "ISO 9000 Adoption in Tunisia: Experiences of Certified Companies", *Total Quality Management*, 2012 (1-16).
- Aouni, B., "Portfolio Selection through the Goal Programming Model: An Overview", *Journal of Financial Decision Making*, Vol. 6, No. 2, 2010 (3-15).
- Aouni, B., C. Colapinto and D. La Torre, "Solving Stochastic Multi-Attribute Portfolio Selection through the Goal Programming Model", *Journal of Financial Decision Making*, Vol. 6, No. 2, 2010 (17-30).
- Cherif, M. S., B. Aouni and H. Chabchoub, "An Imprecise Goal Programming Approach for Modeling Design Teams Preferences in Quality Function Deployment Planning Process", *Journal of Multi-Criteria Decision Analysis*, Vol. 17, No. 5-6, 2010 (137-154).
- Kanoun, I., H. Chabchoub and B. Aouni, "Goal Programming Model for Fire and Emergency Service Facilities Site Selection", *Information Systems and Operational Research*, Vol. 48, No. 3, 2010 (143-153).
- Kammoun, R., H. Chabchoub and B. Aouni, "A Quality Self-Assessment Standard for Tunisian Manufacturing Companies", *International Journal of Management and Technologies*, No. 4, Vol. 1, 2010 (33-44).
- Aouni, B., A. Hassaine and J.M. Martel, "Decision-Maker's Preferences Modeling within the Goal Programming Model: A New Typology", *Journal of Multi-Criteria Decision Analysis*. Vol. 16, 2009 (163-178).
- Aouni, B., J.M. Martel and A. Hassaine, "Fuzzy Goal Programming Model: An Overview of the Current State-of-the Art", *Journal of Multi-Criteria Decision Analysis*, Vol. 16, 2009 (149-161).
- Aouni, B. And D. La Torre, "A Generalized Stochastic Goal Programming Model", *Applied Mathematics and Computation*, Vol. 215, 2010 (4347-4357).



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- Foroughi, A. and Aouni, B., "Ranking of Units in Data Envelopment Analysis Based on the Efficiency Intervals", *Administrative Sciences Association of Canada, Management Science*, Vol. 31, No. 2, 2010 (70-82).
- Kharrat, A., S. Dhouib, H. Chabchoub and B. Aouni, "Incorporating the Decision-Maker's Preferences in the Engineering Design through the Goal Programming Model", Forthcoming in *International Journal of Data Analysis Techniques and Strategies*, 2010.
- Larbani, M. and B. Aouni, "A New Approach for Generating Efficient Solutions within the Goal Programming Model" *Journal of Operational Research Society*, 2010 (1-10).
- Mohanty, B.K. and B. Aouni, "Product Selection in Internet Business: A Fuzzy Approach", *International Transactions in Operational Research*, Vol. 17. 2010 (317-331).
- Cherif, M. S., H. Chabchoub and B. Aouni, "Integrating Customer's Preferences in the QFD Planning Process using a Combined Benchmarking and Imprecise Goal Programming Model", *International Transactions in Operational Research*, Vol. 17, 2010 (85-102).
- Aouni, B., "Multi-Attribute Portfolio Selection: New Perspectives", *Information Systems and Operational Research Journal*, Vol. 47, No. 1, 2009 (1-4).
- Allouche, A., B. Aouni, J-M. Martel, T. Loukil and A. Rebaï, "Solving Multi-Criteria Scheduling Flow Shop Problems Through Compromise Programming", *European Journal of Operational Research*, Vol. 192, No. 2, 2009 (460-467).
- Samoui, S., H. Chabchoub and B. Aouni, "Mathematical Programming approaches to Classification Problems", *Advances in Operations Research*, 2009 (1-34).
- Kammoun, R. H. Chabchoub and B. Aouni, "Comparaison des référentiels d'autoévaluation de la qualité", *International Journal of Information System Research*, Vol. 1, No. 2, 2009 (39-51).
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- Mezghani, M., T. Loukil and B. Aouni, "Aggregate Production Planning in an Imprecise Environment Through the Goal Programming and The Satisfactions", *Administrative Sciences Association of Canada, Management Science*, Vol. 29, No. 2, 2008 (159-172).
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- Ben Abdelaziz, F., B. Aouni and R. El Fayedh, «Multi-Objective Stochastic Programming for Portfolio Selection», *European Journal of Operational Research*, Vol. 177, No. 3; 2007 (1811-1823).
- Kharrat, A., H. Chabchoub, B. Aouni and S. Smaoui, «Serial Correlation Estimation Through the Imprecise Goal Programming Model», *European Journal of Operational Research*, Vol. 177, No. 3; 2007 (1839-1851).
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- Gagnon, M., Gilles d'Avignon and B. Aouni «Incorporating the Manager's Preferences in Project Scheduling Problem Through the Goal Programming Model», *Administrative Sciences Association of Canada, Management Science*, Vol. 28, No. 2, 2007 (15-27).
- Larbani, M. and B. Aouni, «On the Pareto Optimality in Goal Programming», *Administrative Sciences Association of Canada, Management Science*, Vol. 28, No. 2, 2007 (127-131).
- Aouni, B., A. Hassaine and J.-M. Martel, "Decision-Maker's Preferences Modelling in the Goal Programming Model: The Current State of the Art and Future Trends", *Administrative Sciences Association of Canada, Management Science*, Vol. 27, No. 2, 2006 (94-108).
- Dhouib, D., H. Chabchoub et B. Aouni, « Un modèle d'évaluation hiérarchique de la performance des entreprises manufacturières », *Administrative Sciences Association of Canada, Management Science*, Vol. 27, No. 2, 2006 (32-42).
- Cherif, M. S., H. Chabchoub et B. Aouni, « Une approche du Goal Programming imprécis pour l'intégration des préférences du client dans le processus de planification du GFD »,

- Administrative Sciences Association of Canada, Management Science*, Vol. 27, No. 2, 2006 (123-137).
- Aouni, B., A. Hassaine and J.-M. Martel, « Les préférences du décideur dans le goal programming : État de l'Art et perspectives futures », 6e conférence Francophone de Modélisation et Simulation, Rabat (Maroc) 3-5 avril 2006.
- Aouni, B., F. Ben Abdelaziz and R. El Fayedh, "Multistage Stochastic Goal Programming for Portfolio Selection", *The 7th International Conference on Multi-Objective Programming and Goal Programming*, Tours (France), 2006.
- Kanoun, I., H. Chabchoub and B. Aouni, "Goal Programming Model for Fire and Emergency Service Facilities Site Selection", *The 7th International Conference on Multi-Objective Programming and Goal Programming*, Tours (France), 2006.
- Cherif, M. S., H. Chabchoub and B. Aouni, "Integrating Customer's Preferences in QFD Planning Process Using a Combined Benchmarking and imprecise Goal Programming Approach", *The 7th International Conference on Multi-Objective Programming and Goal Programming*, Tours (France), 2006.
- Aouni, B. and S. Benabadji, "ESP in Administrative Sciences: State-of-the-Art and New Perspectives", *The 4th International Conference on English Language Teaching*, Algiers (Algeria), 2005.
- Aouni, B., F. Ben Abdelaziz and J.-M. Martel, «Decision-Maker's Preferences Modeling in the Stochastic Goal Programming», *European Journal of Operational Research*, Vol. 162, 2005 (610-618).
- Aouni, B. and Jean-Marc Martel, "Property Assessment Through an Imprecise Goal Programming Model", *Information Systems and Operational Research*, Vol. 42, No. 3, 2004 (189-200).
- Ben Amor, S., J.-M. Martel and B. Aouni, «Sharing the Savings Associated with Quantity Discount Using Satisfaction Functions», *Information Systems and Operational Research*, Vol. 42, No. 4, 2004 (257-266).
- Kettani, O., B. Aouni, B. and J.-M. Martel, «The Double Role of the Weight Factor in the Goal Programming Model», *Computers and Operation Research*, Vol. 31, 2004 (1833-1845).
- Goghrod, H., J.-M. Martel and B. Aouni, «Vehicle Park Management Through the Goal Programming Model», *Information Systems and Operational Research*, Vol. 41, No. 1, 2003 (93-104).
- Bettahar, S., M. Belmokadem and B. Aouni, «Poverty Measurement in an Imprecise Environment», *Revue Économie et Management*, No. 2, 2003 (167-1980).

- Allouche, A., B. Aouni, J.-M. Martel, T. Loukil and A. Rebaï, «Solving Multi-Criteria Scheduling Flow Shop Problems through Compromise Programming», *The 6th International Conference on Multi-Objective Programming and Goal Programming*, Hammamat (Tunisia), 2004.
- Aouni, B. F. Ben Abdelaziz and R. El Fayedh, «Portfolio Selection through the Stochastic Goal Programming», *The 6th International Conference on Multi-Objective Programming and Goal Programming*, Hammamat (Tunisia), 2004.
- Aouni, B., A. Hassaine and J.-M. Martel, «Decision-Maker's Preferences Modeling in the Goal Programming Model», *The 6th International Conference on Multi-Objective Programming and Goal Programming*, Hammamat (Tunisia), 2004.
- Aouni, B., F. Ben Abdelaziz and R. El Fayedh, «Chance Constrained Compromise Programming for Portfolio Selection», *Proceedings of the 6th International Conference on Multi-Objective Programming and Goal Programming*, Hammamat (Tunisia), 2004.
- Cherif, M. S., H. Chabchoub and B. Aouni, «Goal Programming for Quality Control Design», *Proceedings of the 6th International Conference on Multi-Objective Programming and Goal Programming*, Hammamat (Tunisia), 2004.
- Cherif, M. S., H. Chabchoub and B. Aouni, «Conception d'un système de contrôle de la qualité à l'aide du modèle du Goal Programming», *Administrative Sciences Association of Canada, Management Science*, Vol. 25, No. 2004 (1-16).
- Ganjavi, O. and B. Aouni, «Conditions to Obtain Balanced Solution in Distance Function Models», *Proceedings of the 6th International Conference on Multi-Objective Programming and Goal Programming*, Hammamat (Tunisia), 2004.
- Ganjavi, O. and B. Aouni, «Weight Amplification in Multi Criteria Decision Aid», *Proceedings of the 6th International Conference on Multi-Objective Programming and Goal Programming*, Hammamat (Tunisia), 2004.
- Kharrat, A., H. Chabchoub, B. Aouni and S. Smaoui «Serial Correlation Estimation through the Imprecise Goal Programming Model», *Proceedings of the 6th International Conference on Multi-Objective Programming and Goal Programming*, Hammamat (Tunisia), 2004.
- Smaoui, S., H. Chabchoub and B. Aouni, «Discriminant Analysis for Credit Granting: A Comparative Study», *Proceedings of the 6th International Conference on Multi-Objective Programming and Goal Programming*, Hammamat (Tunisia), 2004.
- Aouni, B. and J.-M. Martel, «Property Assesment in an Imprecise Environment», À paraître dans *Information Systems and Operational Research*. 2004.

- Aouni, B., F. Ben Abdelaziz et R. El Fayedh, «La programmation par but stochastique: application au problème de sélection de portefeuille», *Administrative Sciences Association of Canada, Management Science*, Vol. 24, No. 2, 2003 (63-75).
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- Goghrod, H., J.-M. Martel and B. Aouni, "A Goal Programming Model for Vehicles Park Management", *Methods and Heuristics for Decision Making, the International Conference on Artificial and Computational Intelligence for Decision, Control and Automation in Engineering and Industrial Applications*, 2000 (7-14).

Aouni, B., J.-M. Martel et A. Allouche, «Ordonnancement multicritère à l'aide du Compromise Programming», *Administrative Sciences Association of Canada, Production and Operations Management*, Vol. 21, No. 7, 2000 (1-11).

Aouni, B. et J.-M. Martel, «L'évaluation foncière à l'aide des fonctions de satisfaction dans un contexte de données imprécises», *Administrative Sciences Association of Canada, Production and Operations Management*, Vol. 21, No. 7, 2000 (43-51).

Martel, Jean-Marc and Belaïd Aouni, «Introduction of the Decision-maker's Preferences in the Goal Programming Model», *Proceedings of the Third Meeting of the ESIGMA Working Group*, Paris, 1988 (1-10).

## **PAPERS UNDER REVIEW**

Aouni, B., C. Colapinto, D. La Torre, “Portfolio Management through the Goal Programming Model: Current State-of-the-Art”, *European Journal of Operational Research*.

Aouni, B., C. Colapinto, D. La Torre and S. Zahda, “Solving Assignment Problem through Stochastic Goal Programming and Satisfaction Function”, *International Transactions in Operational Research*.

Razmak, J. and B. Aouni, “Decision Support System and Multi-Criteria Decision Aid: A State of the Art and Perspectives”, *Journal of Multi-Criteria Decision Analysis*.

Azzabi, L., B. Aouni and A. Kobi, “Multi-Objective Scheduling through Analytical Hierarchy Process and Lexicographic Goal Programming Model”, *Journal of Multi-Criteria Decision Analysis*.

Ayadi, D., B. Aouni and A. Kobi, “Application of Multi-Criteria Failure Mode and Effects Analysis and PROMETHEE Methods for Human Safety”, *International Transactions in Operational Research*.

Azzabi, L., B. Aouni and A. Kobi, “Multi-Criteria Analysis for Road Safety”, *International Transactions in Operational Research*.

Alireza, A. and B. Aouni, “Supply Chain Management through the Stochastic Goal Programming Model”, *International Transactions in Operational Research*.

## **BOOKS AND JOURNAL EDITIONS**

Aouni, B., D. La Torre and C. C. Colapinto, “Multi-Attribute Portfolio Management”, *Springer Series in Operations Research and Financial Engineering*, Book to be published in 2013.

- Aouni B. and J. Climaco (Guest Editors) Special Issue of *International Transactions in Operational Research on New Developments in Multi-Objective Programming and Goal Programming*.
- Aouni B. (Guest Editor) Special Issue of *Journal of Multi-Criteria Decision Analysis* on Multi-Criteria Decision Aid in Finance, Insurance and Investment.
- Aouni, B. (Guest Editor), «Multi-Attribute Portfolio Selection: Theory and Applications », *Special Issue of the Information Systems and Operational Research Journal*, Vol. 47, No. 1, 2009.
- Aouni (Editor), Conference Proceedings of the *Administrative Sciences Association of Canada, Management Science*, Volume 27, No. 2, 2006.
- Aouni, B. (Guest Editor), «Goal Programming Model: Theory and Applications, Part I», *Special Issue of the Information Systems and Operational Research Journal*, Vol. 42, No. 3, 2004.
- Aouni, B. (Guest Editor) «Goal Programming Model: Theory and Applications, Part II», *Special Issue of the Information Systems and Operational Research Journal*, Vol. 42, No. 4, 2005.
- Aouni, B. (Guest Editor), «Goal Programming Model: Theory and Applications, Part III», *Special Issue of the Information Systems and Operational Research Journal*, Vol. 43, No. 2, 2005.
- Aouni, B. and O. Kettani (Guest Editors), «Multiobjective Programming and Goal Programming», *Feature Issue of the European Journal of Operational Research*, Vol. 133, No. 2, 2001.
- Aouni, B. (Editor), «*Faisons le point*», Actes du congrès de l'Association des Sciences Administratives du Canada, Division de la Gestion des Opérations et de la Production, Volume 21, No. 7, 2000
- Martel, J.-M. et B. Aouni, «*Introduction aux méthodes quantitatives de gestion*». FSA, Québec, 1996.
- Martel, J.-M. et B. Aouni (Editors), «*Looking South : The Canadian Perspective on North American Trade*». Actes du congrès de l'Association des Sciences Administratives du Canada, division : Recherche Opérationnelle, Vol. 14, 1994.

## **THESIS AND REPORTS**

- Aouni, B., «Le modèle de programmation mathématique avec buts dans un environnement imprécis: sa formulation, sa résolution et une application», *Ph.D Thesis*, Faculty of business administration, Laval University, 1998.
- Aouni, B., «Introduction des préférences du décideur dans le modèle du Goal Programming: une nouvelle formulation et application», *Master Thesis*, Faculty of business administration, Laval University, 1988.



Martel, J.-M. and B. Aouni, «Consommation québécoise de services télématiques professionnels en 1989», *Centre Francophone de Recherche en Informatisation des Organisations*, 1989.

## RESEARCH GRANTS:

<b>Funding Organizations</b>	<b>Amount</b>	<b>Date</b>
Laurentian University Research Fund	\$5,000 for one year	25/04/2013
Faculty of Management, Laurentian University	\$7,000 for one year	5/04/2013
Faculty of Management, Laurentian University	\$8,000 for one year	10/04/2012
Laurentian University Research Fund	\$5,000 for one year	15/05/2012
Faculty of Management, Laurentian University	\$10,000 for one year	05/04/2011
Laurentian University Research Fund	\$2,000 for two years	10/01/2011
Faculty of Management, Laurentian University	\$6,500 for one year	05/04/2010
Laurentian University Research Fund	\$3,500 for two years	15/04/2010
Natural Sciences and Engineering Research Council of Canada	\$100,000\$ for 5 years	01/04/2009
Laurentian University Research Fund	\$3,000 for two years	05/05/2009
Natural Sciences and Engineering Research Council of Canada-Research, Development and Creativity Office	\$4,298 for one year	03/12/2009
Mathematics of Information Technology and Complex Systems- Defence Research and Development Canada, Valcartier (DRDCV): In collaboration.	\$98,000 for two years	02/2008
Natural Sciences and Engineering Research Council of Canada	\$60 000\$ for 5 years	01/04/2004
Laurentian University Research Fund	\$2,200 for one year	07/05/2004
School of Commerce and Administration	\$2,200 for one year	07/05/2004
School of Commerce and Administration	\$6,000 for one year	20/02/2004
Laurentian University Research Fund	\$2,000 for one year	14/05/2001
Natural Sciences and Engineering Research Council of Canada	\$43,140 for 4 years	01/04/2000
Laurentian University Research Fund	\$4,000 for one year	2/05/2000
Ministry of training, Colleges and Universities. Government of Ontario	\$3,850 for one year	01/05/2000
Special competition of the Social Sciences and Humanities Research Council of Canada.	\$4,836 for one year	10/01/2000
Laurentian University Research Fund	\$3,500 for one year	22/11/1999

## GRADUATE STUDENTS SUPERVISION

**Ph. D. Program** (Supervisor (Sup), Co-Supervisor (Co-Sup.) and Committee member (C-Mem.):

<b>Candidate</b>	<b>University</b>	<b>Date</b>	<b>Thesis title</b>
Benbouziane, M. (Co-Sup.)	University of Tlemcen, Algeria	03/2004	Co-Integration and Efficiency in the Foreign Exchange Market
Sahel, S. M. (Co-Sup.)	University of Tlemcen, Algeria	02/2005	The Marketing of Bank Services and the Economic Development : the Case of Algeria.

Bettahar, S. (Co-Sup.)	University of Tlemcen, Algeria	09/2005	Poverty Measurements Using Fuzzy Sub-Set Theory.
Allouche, A. (Co-Sup.)	University of Tunis, Tunisie	12/2007	L'ordonnancement multicritère de la production : Une approche métaheuristique intégrant les préférences du gestionnaire
Kammoun, R. (Co-Sup.)	Sfax, Tunisia	12/2007	Évaluation de la qualité : Un référentiel Tunisien d'autoévaluation de la qualité pour les entreprises manufacturières
Cherif, M.-S. (Co-Sup.)	Sfax, Tunisia	11/2008	L'intégration des approches du Goal Programming et d'aide multicritère à la décision dans le processus du QFD : Formulation et application dans un environnement imprécis
Smaoui, S. (Co-Sup.)	University of Sfax, Tunisia	3/2009	Nouvelles procédures de classification pour le problème de discrimination : Étude comparative.
Hessaine, A. (Co-Sup.)	University of Tlemcen, Algeria	6/2009	La modélisation des préférences du décideur dans le modèle du Goal Programming.
El Fayedh, R. (Co-Sup.)	University of Tunis, Tunisia	6/2011	Portfolio Selection Through the Stochastic Goal Programming Model.
Kharrat, A. (Co-Sup.)	Sfax, Tunisia	10/2009	Le modèle du Goal Programming interactif : Reformulations, résolutions et applications
Kanoun, I. (Co-Sup.)	University of Sfax, Tunisia	Ongoing	Le choix d'emplacement à l'aide de la programmation mathématique à objectifs multiples
Triqui, H. (Co-Sup.)	University of Sfax, Tunisia	Ongoing	La sélection du portefeuille à l'aide du Goal Programming : une étude comparative des différentes variantes.
Mansour, N. (Co-Sup.)	University of Sfax, Tunisia	7/2011	La sélection du portefeuille financier à l'aide du Goal Programming imprécis.
Benabadji, S. (Sup.)	Laurentian University, Canada	Ongoing	Teaching English for Specific Purposes within Administrative Sciences Field through the "Communitarian Self" Concept
McGillis, S. (Sup.)	Laurentian University, Canada	Ongoing	Internal Auditing through Multi-Objective Programming

### Master Program:

Name	University	Completion Date	Thesis title
Trigui, M. (Co-Sup.)	Laval University	6/1991	Système de guidage automatique d'une aide-récolteuse à fraises
Kermoud, A. (Co-Sup.)	Laval University	12/1999	L'impact des procédures de normalisation sur la cote de priorité des circonscriptions foncières dans la rénovation cadastrale
Goghrod, H. (Co-Sup.)	Laval University	1/2000	Optimisation multicritère de la gestion du parc des véhicules du Ministère du Transport du Québec
Mayer, Z. P.	Laurentian	12/2004	Real Options Applications in the Valuation of

(C.Mem.)	University		Flexible Underground Mining System Design Alternatives
Yang, A. (C.Mem.)	The University of Lethbridge	08/2006	A Multi-Criteria Decision Support System for Selecting Cell Phone Services
Munro, M. (Sup.)	Laurentian University	05/2009	Group Decision-Making Preferences Modeling Through the Goal Programming Model.
Pakkar, M. S. (C.Mem.)	Laurentian University	05/2009	An Integrated Approach to the Data Envelopment Analysis and Analytic Hierarchy Process Methodologies in Decision Making.
Alqarni, M. (C.Mem.)	Laurentian University	05/2012	Improving the Measurement of Knowledge by the Consistency-Driven Pairwise Comparisons Method

## **DISTINCTIONS**

- Laurentian University Teaching Excellence Award, 2012.
- - Merit increment for research, Laurentian University, July 2012.
- Merit increment for research, Laurentian University, July 2011.
- Merit increment for research, Laurentian University, July 2010.
- Laurentian University Research Excellence Award, 2010.
- The best paper (Management Science Division) at the Annual Conference of the Administrative Sciences Association of Canada, Niagara Falls (Canada), 2009.
- Merit increment for research, Laurentian University, July 2008.
- Merit increment for research, Laurentian University, July 2006.
- Service Award, *Canadian Operational Research Society*, 2005.
- The best paper (Production and Operations Management Division), Administrative Sciences Association of Canada, June 2003.
- Merit increment for research, Laurentian University, July 2000.
- The best paper (Management Science Division) at the Annual Conference of the Administrative Sciences Association of Canada, in St-John's (Canada), 1997.
- The best paper (Management Science Division) at the Annual Conference of the Administrative Sciences Association of Canada, in Montreal (Canada), 1996.

- Faculty Honour list for 1996-1997, Faculty of Administrative Sciences, Laval University.
- Faculty Honour list for 1997-1998, Faculty of Administrative Sciences, Laval University.
- Scholarship for excellence from the «Fonds d'enseignement et de recherche», (1996-1997), Faculty of Administrative Sciences, Laval University.
- Scholarship for excellence from the «Fonds d'enseignement et de recherche», (1995-1996). Faculty of Administrative Sciences, Laval University.
- Top student of the graduating class (Bachelor of Science), Tlemcen University, Algeria, 1985.
- Scholarship for excellence from the Canadian International Development Agency (CIDA) (1985-1988).

## **PRESENTATIONS AT CONFERENCES**

- Aouni, Belaid; A. Hassaine and J.-M. Martel, “An Interactive Goal Programming Model Based on the Satisfaction Functions”, the *5<sup>th</sup> International Conference on Modeling, Simulation and Applied Optimization*, Hammamat (Tunisia), April 28-30, 2013.
- Aouni, B. and J. Razmak, “Multi-Criteria Decision Support Systems: A Glorious History and a Promising Future”, the *5<sup>th</sup> International Conference on Modeling, Simulation and Applied Optimization*, Hammamat (Tunisia), April 28-30, 2013.
- El Fayedh R., F. Ben Abdelaziz and B. Aouni, “Scenario Generation for Multi-objective Stochastic Portfolio Selection”, the *5<sup>th</sup> International Conference on Modeling, Simulation and Applied Optimization*, Hammamat (Tunisia), April 28-30, 2013.
- Mezghani, S. H. Chabchoub and B. Aouni, “Manager’s Preferences Modeling within the Bi-Objectives Bin Packing Problem”, the *5<sup>th</sup> International Conference on Modeling, Simulation and Applied Optimization*, Hammamat (Tunisia), April 28-30, 2013.
- Kanoun, I., Y. Masmoudi, H. Chabchoub, and B. Aouni, “A Balanced Approach for Hazardous Waste Allocation Problem”, the *5<sup>th</sup> International Conference on Modeling, Simulation and Applied Optimization*, Hammamat (Tunisia), April 28-30, 2013.
- Alireza, A. and B. Aouni, “Supply Chain Management through the Stochastic Goal Programming Model”, *CORS/MOGP’2012 Conference*, Niagara Falls Ontario, Canada, June 11-13, 2012.
- Mezghani, M., T. Loukil and B. Aouni, A. “Applying Stochastic Goal Programming to Solve APP Problem: A Case Study” *The 3rd International Conference on Industrial Engineering and Operations Management*, Istanbul (Turkey), July 3-6, 2012.

- Munro, M. and B. Aouni, "Goal Programming Model for Selection of Target Market", *CORS/MOGP'2012 Conference*, Niagara Falls Ontario, Canada, June 11-13, 2012.
- Smaoui, S. and B. Aouni, "Generalized Imprecise Goal Programming Model for Classification Problem", *CORS/MOGP'2012 Conference*, Niagara Falls Ontario, Canada, June 11-13, 2012.
- Boswarva, I and B. Aouni, "Different Probability Distributions for Portfolio Selection in a Stochastic Goal Programming Model", *CORS/MOGP'2012 Conference*, Niagara Falls Ontario, Canada, June 11-13, 2012.
- Kanoun, I., Chabchoub, H. and B. Aouni, "Two-phases Method for Bi-level Multiple Objectives Hazardous Wastes Location-routing Problem", *CORS/MOGP'2012 Conference*, Niagara Falls Ontario, Canada, June 11-13, 2012.
- McGillis, S. and B. Aouni, "The Goal Programming Model for Accounting: A New Typology", *CORS/MOGP'2012 Conference*, Niagara Falls Ontario, Canada, June 11-13, 2012.
- Mezghani, M., Loukil, T. and B. Aouni, "Hybrid Remanufacturing/Manufacturing Aggregate Planning in the Imprecise Environment: A Case Study", *CORS/MOGP'2012 Conference*, Niagara Falls Ontario, Canada, June 11-13, 2012.
- Aouni, B., "Decision-Maker's Preferences Modeling within The Goal Programming Model", *Challenges in Statistics and Operations Research Conference*, Kuwait, March 8-10, 2011.
- Smaoui, S. and B. Aouni, "Classification Problems based on imprecise Goal Programming model", *Challenges in Statistics and Operations Research Conference*, Kuwait, March 8-10, 2011.
- Trigui H., H. Chabchoub and B. Aouni, "Choosing the Appropriate Goal Programming Variant for Multi-Attribute Portfolio Selection", *The First International Conference on Multidimensional Finance, Insurance and Investment*, Hammamet, Tunisia, April 14-16, 2011.
- Fayedh R., F. Ben Abdelaziz and B. Aouni, "Scenario Generation for Multi-objective stochastic Portfolio Selection", *The First International Conference on Multidimensional Finance, Insurance and Investment*, Hammamet, Tunisia, April 14-16, 2011.
- Aouni, B and Ben Abdelaziz F., "Stochastic Goal Programming Model: Theory and Applications", *The 9<sup>th</sup> International Conference on Multiple Objective Programming and Goal Programming*, Sousse, Tunisia, May 24-26, 2010.
- Aouni, B., A. Hassaine and J.-M. Martel, "An Interactive Goal Programming Model Based on the Satisfaction Functions", *The 9<sup>th</sup> International Conference on Multiple Objective Programming and Goal Programming*, Sousse, Tunisia, May 24-26, 2010.
- Aouni, B., Colapinto, C., La Torre, D. and Zahda, S., "Stochastic Goal Programming Model for Assignment Problem and Strategic Decision Making in Marketing", *The 9<sup>th</sup> International*

*Conference on Multiple Objective Programming and Goal Programming*, Sousse, Tunisia, May 24-26, 2010.

Foroughi, A. and Aouni, B., “Ranking of Units in Data Envelopment Analysis Based on the Efficiency Intervals”, *Administrative Sciences Association of Canada*, Regina, (Saskatchewan), May 22–25, 2010.

Cherif, M. S., Chabchoub H. and Aouni, B., “Modeling Design Team’s Preferences in Quality Function Deployment Planning Process”, *The 9<sup>th</sup> International Conference on Multiple Objective Programming and Goal Programming*, Sousse, Tunisia, May 24-26, 2010.

Aouni, B., Colapinto, C. and La Torre, D., “A Generalized Stochastic Goal Programming Model for Media Management and Strategy”, *The 9<sup>th</sup> International Conference on Multiple Objective Programming and Goal Programming*, Sousse, Tunisia, May 24-26, 2010.

Mansour, N., Rebai, A. and Aouni, B., “A Fuzzy Goal Programming Model for Portfolio Selection: The Consideration of Different Levels of Investor Satisfaction”, *The 9<sup>th</sup> International Conference on Multiple Objective Programming and Goal Programming*, Sousse, Tunisia, May 24-26, 2010.

Foroughi, A. and Aouni, B., “Ranking Units in DEA Based on Efficiency Intervals and Decision-Maker’s Preferences”, *The 9<sup>th</sup> International Conference on Multiple Objective Programming and Goal Programming*, Sousse, Tunisia, May 24-26, 2010.

Kanoun, I., Chabchoub, H. and Aouni, B., “A Fuzzy Goal Programming Approach to Bilevel Hazardous Waste Management Problem”, *The 9<sup>th</sup> International Conference on Multiple Objective Programming and Goal Programming*, Sousse, Tunisia, May 24-26, 2010.

Mezghani, M., Loukil, T. and Aouni, B., “Aggregate Production Planning in the Stochastic Environment”, *The 9<sup>th</sup> International Conference on Multiple Objective Programming and Goal Programming*, Sousse, Tunisia, May 24-26, 2010.

Smaoui, S., Chabchoub, H., Aouni, B. and Rebai, A., “A Multicriteria Assignment Procedure Based on Mathematical Programming (MAPMP)”, *The 9<sup>th</sup> International Conference on Multiple Objective Programming and Goal Programming*, Sousse, Tunisia, May 24-26, 2010.

Aouni, B., “Portfolio Selection through the Goal Programming Model: An Overview”, The 3rd Workshop on Multi-Attribute Methods in Finance and Insurance, the Royal Spanish Academy of Science, Madrid (Spain), April 22-24, 2009.

Aouni, B., A. Allouche and A. Rebai, “Manager’s Preferences Modeling within Multi-Criteria Flow Shop Problem: A Metaheuristic Approach”, *CORS/INFORMS Joint International Conference* Toronto (Canada) June 14-17, 2009.

- Munro, M. and B. Aouni, "Group Decision-Makers' Preferences Modelling in Goal Programming Model", *CORS/INFORMS Joint International Conference Toronto (Canada)* June 14-17, 2009.
- Allouche, A., B. Aouni and A. Rebai, "L'ordonnancement multicritère de la production : une approche méta-heuristique intégrant les préférences du gestionnaire", *Administrative Sciences Association of Canada*, Niagara Falls (Ontario), June 6-9, 2009.
- Munro, M. and B. Aouni, "Group Decision-Making Through the Goal Programming Model: State-of-the-art and a new Typology", *Administrative Sciences Association of Canada*, Niagara Falls (Ontario), June 6-9, 2009.
- Kharrat, A. , H. Chabchoub and B. Aouni, "An Interactive Simulated Annealing Technique for Goal Programming Model", *The Second International Conference on Metaheuristics and Nature Inspired Computing*, Hammamet (Tunisia), October 29-31, 2008.
- Mezghani, M., T. Loukil and B. Aouni, "Aggregate Production Planning in an Imprecise Environment Through the Goal Programming and The Satisfactions", *Administrative Sciences Association of Canada*, Halifax (Nova-Scotia), May 24-27, 2008.
- Mouna Mezghani, M., T. Loukil, B. Aouni and A. Dammak, "Fuzzy Goal Programming for Multi-Objective Aggregate Planning", *Canadian Operational Research Society/Optimization Days 2008 joint conference*. Université Laval, Québec, May 12-14, 2008.
- Aouni, B. and D. La Torre, «Generalized Stochastic Goal Programming Model», *Canadian Operational Research Society/Optimization Days 2008 joint conference*. Université Laval, Québec, du 12 au 14 mai 2008.
- Aouni, B., J.-M. Martel and A. Hassaine, "Fuzzy Goal Programming Model: An Overview of the Current State-of-the Art", *Canadian Operational Research Society/Optimization Days 2008 joint conference*. Université Laval, Québec, du 12 au 14 mai 2008.
- Aouni, B., C. Colapinto, B. and D. La Torre, "Goal Programming Models for Stochastic Multi-Criteria Decision Problems with Applications", *Mathematical and Statistical Methods for Insurance and Finance (MAF)*, Venice, Italy, March 26-28, 2008.
- Mansour, N., A. Rebai and B. Aouni, "A Fuzzy Goal Programming Model for Portfolio Selection", *The Second International Workshop on Multi-Attribute Portfolio Selection*, Montreal (Canada) May 6-8, 2007.
- Ben Abdelaziz, F., R. El Fayedh and B. Aouni, "Stochastic Goal Programming for Portfolio Selection", *The Second International Workshop on Multi-Attribute Portfolio Selection*, Montreal (Canada) May 6-8, 2007.

Gagnon, M., Gilles d'Avignon and B. Aouni «Incorporating the Manager's Preferences in Project Scheduling Problem Through the Goal Programming Model», *Administrative Sciences Association of Canada*, Ottawa (Ontario), June 2-5, 2007.

Larbani, M. and B. Aouni, «On the Pareto Optimality in Goal Programming», *Administrative Sciences Association of Canada*, Ottawa (Ontario), June 2-5, 2007.

Aouni, B., J.-M. Martel and A. Hassaine, "Fuzzy Goal Programming Model: An Overview of the Current State-of-the Art", The XIII Congress of International Association for Fuzzy-Set Management and Economy, "Optimization Techniques: Fuzziness and Nonlinearity for Management and Economy", Hammamet (Tunisia), November 30-2 December 2, 2006.

Mansour, N., A. Rebaï and B. Aouni, "Portfolio Selection Through the Imprecise Goal Programming Model: Integration of Manager's Preferences", The XIII Congress of International Association for Fuzzy-Set Management and Economy, "Optimization Techniques: Fuzziness and Nonlinearity for Management and Economy", Hammamet (Tunisia), November 30-2 December 2, 2006.

Aouni, B., H. Chabchoub et M. S., Cherif, «Le Goal Programming imprécis pour la planification du QFD : intégration des préférences du client», *the 48th Annual Conference of the Canadian Operational Research Society*, Montreal (Quebec), May 8-10, 2006.

Aouni, B., A. Hassaine and J.-M. Martel, "Decision-Maker's Preferences Modelling in the Goal Programming Model: The Current State of the Art and Future Trends", *Administrative Sciences Association of Canada*, Banff (Alberta), June 3-6, 2006.

Dhouib, D., H. Chabchoub et B. Aouni, « Un modèle d'évaluation hiérarchique de la performance des entreprises manufacturières », *Administrative Sciences Association of Canada*, Banff (Alberta), June 3-6, 2006.

Cherif, M. S., H. Chabchoub et B. Aouni, « Une approche du Goal Programming imprécis pour l'intégration des préférences du client dans le processus de planification du GFD », *Administrative Sciences Association of Canada*, Banff (Alberta), June 3-6, 2006.

Aouni, B. «Multi-Criteria Decision Aid Cluster» Président de Cluster, the 48th Annual Conference of the Canadian Operational Research Society, Montreal (Quebec), May 8-10, 2006.

Aouni, B., and F. Ben Abdelaziz and R. El Fayedh, "Multistage Stochastic Goal Programming for Portfolio Selection", *The 7th International Conference on Multi-Objective Programming and Goal Programming*, Tours (France), 2006.

Kanoun, I., H. Chabchoub and B. Aouni, "Goal Programming Model for Fire and Emergency Service Facilities Site Selection", *The 7th International Conference on Multi-Objective Programming and Goal Programming*, Tours (France), 2006.



- Mohamed Sadok Cherif, M. S., H. Chabchoub and B. Aouni, “Integrating Customer's Preferences in QFD Planning Process Using a Combined Benchmarking and imprecise Goal Programming Approach”, *The 7th International Conference on Multi-Objective Programming and Goal Programming*, Tours (France), 2006.
- Aouni, B. and S. Benabadji, “ESP in Administrative Sciences: State-of-the-Art and New Perspectives”, 4th International Conference on English Language Teaching, Algiers (Algeria), December 10-12, 2005
- Aouni, B., O. Ganjavi and Anis Allouche, «Production Planning Through the Goal Programming Model and Satisfaction Function», the 47th Annual Conference of the Canadian Operational Research Society, Halifax (Nova Scotia), May 16-18, 2005.
- Aouni, B., A. Hassaine and J.-M. Martel, «Decision-Maker's Preferences Modeling in the Goal Programming Model», the 47th Annual Conference of the Canadian Operational Research Society, Halifax (Nova Scotia), May 16-18, 2005.
- Aouni, B., A. Hassaine and J.-M. Martel, «La modélisation des préférences du décideur dans le modèle du Goal Programming», ASAC'2005 Conference, Toronto (Ontario), 2005.
- Aouni, B. F. Ben Abdelaziz and R. El Fayedh, «Multiobjective Stochastic Programming for Portfolio Selection», First International Workshop on Multi-Attribute Portfolio Selection, Hilsinki (Finland), Mars 2005.
- Aouni, B. «Multi-Criteria Decision Aid Cluster» Président de Cluster, the 47th Annual Conference of the Canadian Operational Research Society, Halifax (Nova Scotia), May 16-18, 2005.
- Président de session: Multi-Objective Programming and Data Envelopment Analysis, the 47th Annual Conference of the Canadian Operational Research Society, Halifax (Nova Scotia), May 16-18, 2005.
- Allouche, A., B. Aouni, J.-M. Martel, T. Loukil and A. Rebaï, «Solving Multi-Criteria Scheduling Flow Shop Problems through Compromise Programming», The 6th International Conference on Multi-Objective Programming and Goal Programming, Hammamat (Tunisia), 2004.
- Aouni, B. and O. Ganjavi, Maintaining Balanced Solution in Distance Function Models», *CORS/INFORMS Joint International Conference*, Banff (Alberta), 2004.
- Aouni, B. F. Ben Abdelaziz and R. El Fayedh, «Portfolio Selection through the Stochastic Goal Programming», *The 6th International Conference on Multi-Objective Programming and Goal Programming*, Hammamat (Tunisia), 2004.

- Aouni, B., «Has Decision Maker Been Given Prominence in the Goal Programming Model?», Plenary in the the 6th International Conference on Multi-Objective Programming and Goal Programming, Hammamat (Tunisia), 2004.
- Aouni, B., A. Hassaine and J.-M. Martel, «Decision-Maker's Preferences Modeling in the Goal Programming Model», *The 6th International Conference on Multi-Objective Programming and Goal Programming*, Hammamat (Tunisia), 2004.
- Aouni, B., A. Hassaine and J.-M. Martel, «Modélisation des préférences du décideur dans le modèle du Goal Programming», CORS/INFORMS Joint International Conference, Banff (Alberta), 2004.
- Aouni, B., F. Ben Abdelaziz and R. El Fayedh, «Chance Constrained Compromise Programming for Portfolio Selection», *The 6th International Conference on Multi-Objective Programming and Goal Programming*, Hammamat (Tunisia), 2004.
- Cherif, M. S., H. Chabchoub and B. Aouni, «Goal Programming for Quality Control Design», *The 6th International Conference on Multi-Objective Programming and Goal Programming*, Hammamat (Tunisia), 2004.
- Cherif, M. S., H. Chabchoub and B. Aouni, «Conception d'un système de contrôle de la qualité à l'aide du modèle du Goal Programming», *Administrative Sciences Association of Canada Conference*, Quebec, 2004.
- Ganjavi, O. and B. Aouni, «Conditions to Obtain Balanced Solution in Distance Function Models», *The 6th International Conference on Multi-Objective Programming and Goal Programming*, Hammamat (Tunisia), 2004.
- Ganjavi, O. and B. Aouni, «Weight Amplification in Multi Criteria Decision Aid», *The 6th International Conference on Multi-Objective Programming and Goal Programming*, Hammamat (Tunisia), 2004.
- Ganjavi, O. and B. Aouni, «Weights Assessment Derived from Subjective and Objective Estimates», CORS/INFORMS Joint International Conference, Banff (Alberta), 2004.
- Kharrat, A., H. Chabchoub, B. Aouni and S. Smaoui «Serial Correlation Estimation through the Imprecise Goal Programming Model», *The 6th International Conference on Multi-Objective Programming and Goal Programming*, Hammamat (Tunisia), 2004.
- Rebai, B. Aouni and J.-M. Martel, «A Multi-Attribute Method for Choosing Among Potential Actions with Ordinal Evaluation», CORS/INFORMS Joint International Conference, Banff (Alberta), 2004.

- Smaoui, S., H. Chabchoub and B. Aouni, «Discriminant Analysis for Credit Granting: A Comparative Study», The 6th International Conference on Multi-Objective Programming and Goal Programming, Hammamat (Tunisia), 2004.
- Chabchoub H., R. Hachicha et B. Aouni. Un modèle générique d'évaluation hiérarchique et d'analyse de la compétitivité. The 45<sup>th</sup> Conference of the Canadian Operational Research Society, Vancouver (Canada), June 2-4, 2003.
- Kammoun, R., H. Chabchoub et B. Aouni. La démarche de la qualité totale dans des entreprises partenaires : étude exploratoire. Conférence Annuelle de l'ASAC-2003, du 14 au 17 juin 2003, Halifax (Nouvelle Écosse) Canada.
- Allouche, A. B. Aouni, J.-M. Martel, T. Loukil and A. Rebaï. Solving Multi-Criteria Scheduling Flow Shop Problem Through the Compromise Programming Model. Conférence Annuelle de l'ASAC-2003, du 14 au 17 juin 2003, Halifax (Nouvelle Écosse) Canada.
- Aouni, B., F. Ben Abdelaziz and R. El-Fayedh. La programmation par but stochastique: Application au problème de sélection de portefeuille. Conférence Annuelle de l'ASAC-2003, du 14 au 17 juin 2003, Halifax (Nouvelle Écosse) Canada.
- Chabchoub H., R. Hachicha et B. Aouni. Un modèle générique d'évaluation hiérarchique et d'analyse de la compétitivité. Conférence Annuelle de l'ASAC-2003, du 14 au 17 juin 2003, Halifax (Nouvelle Écosse) Canada.
- Aouni, B. and F. Gélinas «A Multicriterion Approach for Selecting a Health Care Centre», 12<sup>th</sup> Mini Euro Conference, Brussels (Belgium), April 2-5, 2002.
- Aouni, B., A. Allouche and J.-M. Martel, «Incorporating the Manager's Preferences in the Multi-Objective Scheduling Problem», the 44<sup>th</sup> Conference of the Canadian Operational Research Society, Toronto (Canada), June 3-5, 2002.
- Aouni, B., S. Bettahar and M. Belmokadem, «Poverty Measurement Through the Fuzzy Sub-Sets Theory: The State of the Art», the 44<sup>th</sup> Conference of the Canadian Operational Research Society, Toronto (Canada), June 3-5, 2002.
- Mohanty, B. K. and B. Aouni, «Product Selection in the Internet Business: A Fuzzy Approach», the 44<sup>th</sup> Conference of the Canadian Operational Research Society, Toronto (Canada), June 3-5, 2002.
- Aouni, B., S. Bettahar et M. Belmokadem, «Mesure de la pauvreté À l'aide des sous-ensembles flous», Conférence Annuelle de l'ASAC-2002, du 25 au 28 mai 2002, Winnipeg (Manitoba), Canada.
- Aouni, B. and O. Ganjavi, «Achieving Balanced Solution in Multi-Objective Programming». The 43rd Annual Conference of the Canadian Operational Research Society, Québec (Canada), 6-9 mai 2001.

Ganjavi, O. B. Aouni and Z. Wang, «Amplification Effect in Weight Assessment Derived from Subjective and Objective Estimates», The 43rd Annual Conference of the Canadian Operational Research Society, Québec (Canada), 6-9 mai 2001.

Ben Amor, S., J.-M. Martel et B. Aouni, «*Partage des économies associées à la quantité d'escompte à l'aide de fonctions de satisfaction*». La 3<sup>e</sup> Conférence Francophone de MODélisation et SIMulation «Conception, Analyse et Gestion des Systèmes Industriels MOSIM'01 - du 25 au 27 avril 2001 – Troyes (France).

Goghrod, H., J.-M. Martel et B. Aouni, «*Une approche multicritère pour la gestion d'un parc de matériel roulant*». La 3<sup>e</sup> Conférence Francophone de MODélisation et SIMulation «Conception, Analyse et Gestion des Systèmes Industriels MOSIM'01 - du 25 au 27 avril 2001 – Troyes (France).

Aouni, B., F. Ben Abdelaziz et J.-M. Martel, «*Modélisation des préférences du décideur dans le modèle du goal programming stochastique* ». Les troisièmes journées francophones de recherche opérationnelle (Francoro III), du 9 au 12 mai 2001, Québec, Canada.

Assogbavi, T. et B. Aouni, «*L'analyse de la relation volume de transactions et rendement à l'aide du goal programming*». Les troisièmes journées francophones de recherche opérationnelle (Francoro III), du 9 au 12 mai 2001, Québec, Canada.

Wang, Z., B. Aouni and O. Ganjavi, «*Balanced Solution in Distance Function Models*», Conférence Annuelle de l'ASAC-2001, du 26 au 29 mai 2001, London (Ontario), Canada.

Aouni, B., F. Ben Abdelaziz and J.-M. Martel, «*Decision-Maker's Preferences Modelling in the Stochastic Goal Programming*», Conférence Annuelle de l'ASAC-2001, du 26 au 29 mai 2001, London (Ontario), Canada.

Assogbavi, T. et B. Aouni, «*Les paradis fiscaux : lequel choisir? Une approche multicritère*». Les troisièmes journées francophones de recherche opérationnelle (Francoro III), du 9 au 12 mai 2001, Québec, Canada.

Goghrod, H., J.-M. Martel et B. Aouni, «*La gestion d'un parc de matériel roulant à l'aide de la programmation mathématique avec but*». Les troisièmes journées francophones de recherche opérationnelle (Francoro III), du 9 au 12 mai 2001, Québec, Canada.

Ben Amor, S., J.-M. Martel et B. Aouni, «*Une approche intégrant la satisfaction du vendeur et de l'acheteur pour déterminer l'EOQ avec escompte*». Les troisièmes journées francophones de recherche opérationnelle (Francoro III), du 9 au 12 mai 2001, Québec, Canada.

Aouni, B., J.-M. Martel et A. Allouche, «*Ordonnancement multicritère à l'aide du Compromise Programming*», La conférence annuelle de l'ASAC, Montréal, du 8 au 11 juillet 2000.

- Aouni, B. et J.-M. Martel, «*L'évaluation foncière à l'aide des fonctions de satisfaction dans un contexte de données imprécises*», La conférence annuelle de l'ASAC, Montréal, du 8 au 11 juillet 2000.
- Goghrod, H., J.-M. Martel et B. Aouni, «*La gestion du parc matériel roulant du Ministère des Transports du Québec: Approche par la programmation mathématique à objectifs multiples*», La conférence annuelle de l'ASAC, Montréal, du 8 au 11 juillet 2000.
- Aouni, B., «*Multi-Objective Programming and Information Technologies: State of Art and Prospects*» International Conference on Artificial and Computational Intelligence for Decision, Control and Automation in Engineering and Industrial Applications, 22-24 mars 2000 à Monastir (Tunisie).
- Aouni, B. and J.-M. Martel, «*Real Estate Estimation Through an Imprecise Goal Programming Model*», International Conference on Artificial and Computational Intelligence for Decision, Control and Automation in Engineering and Industrial Applications, 22-24 mars 2000 à Monastir (Tunisie).
- Goghrod, H., J.-M. Martel and B. Aouni, «*A Goal Programming Model for Vehicles Park Management*», International Conference on Artificial and Computational Intelligence for Decision, Control and Automation in Engineering and Industrial Applications, 22-24 mars 2000 à Monastir (Tunisie).
- Aouni, B., J.-M. Martel and C. Romero, «*The Satisfaction Functions and The Utility Functions in the Goal Programming Model*». Journées de l'Optimisation 1999, Montréal, du 10 au 12 mai 1999.
- Aouni, B., J.-M. Martel and T. Khélifi, «*A User-Friendly Tool for Using the Satisfaction Functions in the Goal Programming Model*», II<sup>ème</sup> Conférence Internationale en Recherche Opérationnelle, Marrakech (Maroc) du 24 au 26 mai 1999.
- Aouni, B., O. Kettani and J.-M. Martel, «*Most Efficient Bounds for the Binary Quadratic Linearization Procedure*». EURO XVI Conference, Belgium, July, 12-14, 1998.
- Aouni, B., O. Kettani and J.-M. Martel, «*Normalisation et intégration de la structure de préférences dans le Goal Programming*». Congrès de l'Association des Sciences Administratives du Canada, St. John's (Newfoundland, Canada), du 31 mai au 3 juin 1997.
- Aouni, B., O. Kettani and J.-M. Martel, «*Estimation Through Imprecise Goal programming Model*». «*The Second International Conference on Multi-Objective Programming and Goal Programming: Theories and Application*». Malaga (Espagne) du 15 au 18 mai 1996.
- Aouni, B., «*Linéarisation des expressions quadratiques en programmation mathématique: des bornes plus efficaces*». Congrès de l'Association des Sciences Administratives du Canada, Montréal (Canada) du 25 au 28 mai 1996.

Aouni, B., O. Kettani and J.-M. Martel, «*Statistical Estimation via Goal Programming Tools*». «The Sixteenth International Symposium on Forecasting». Istanbul (Turquie) du 23 au 26 juin 1996.

Aouni, B. and J.-M. Martel, «*Incorporating the Decision Maker's Preferences in the Goal Programming Model with Fuzzy Goal Values: A new Formulation*». «The First International Conference on Multi-Objective Programming and Goal Programming: Theories and Applications» tenu à Porstmouth (England) en 1994.

Aouni, B. et J.-M. Martel, «*Une reformulation du modèle de programmation avec buts imprécis*», Congrès de l'Association des Sciences Administratives du Canada, congrès tenu à Lac Louise (Alberta), mai 1993.

Aouni, B. et J.-M. Martel, «*Méthodes multicritère de choix d'un emplacement : le cas d'un aéroport dans le Nouveau Québec*», Congrès de SCRO et les Journées de l'optimisation 1992, tenues au HEC de l'Université de Montréal, mai 1992.

Aouni, B. and J.-M. Martel, «*Incorporating the Decision Maker's Preferences in the Goal Programming Model*», Congrès de «Operational Research and the Social Sciences», tenu à Cambridge (Angleterre), avril 1989.

Aouni, B. et J.-M. Martel, «*L'introduction des préférences du décideur dans le modèle de programmation avec buts*», Congrès sur l'analyse multicritère, tenu à l'Université Paris-Dauphine, France, juillet 1988.

## **REFEREE ACTIVITIES**

I am a referee for the following international journals:

- *Journal of the Operational Research Society*,
- *European Journal of Operational Research*,
- *Information Systems and Operational Research*,
- *Computers and Operations Research*,
- *Mathematical and Computer Modelling*,
- *Canadian Journal of Forest Research*,
- *International Transactions in Operational Research*,
- *Journal of Multi-Criteria Decision Analysis*,
- *Spanish Journal of Operational Research*.

I am also a referee for the Annual Conference of the Administrative Sciences Association of Canada.

## **CONTRIBUTION TO THE ORGANIZATION OF SCIENTIFIC CONVENTIONS**

- Member of the Technical Program of the 5th International Conference on Modeling, Simulation and Applied Optimization, April 28-30, 2013, Hammamet (Tunisia).
- Program Chair of the International Conference on Advanced Logistics and Transport, May 29-31, 2013, Sousse (Tunisia).
- Chair of the 10th International Conference on Multi-Objective Programming and Goal Programming, Niagara Falls, (Canada), June 11-13, 2012.
- Chair of the 5<sup>th</sup> Annual Research Colloquium of the Ph.D. Program in Human Studies, Laurentian University, April 11, 2012.
- Co-chair of the “*First International Conference on Multidimensional Finance, Insurance and Investment*”, Hammamet (Tunisia) April 14-16, 2011.
- Chair of the Graduate Students Research Symposium, Laurentian University, February 15-16, 2011.
- Chair of the research seminar of Ph.D. program in Human Studies at Laurentian University, Sudbury, April 1, 2011.
- Member of the Scientific Committee of the “*9th International Conference on Multiple Objective Programming and Goal Programming*”, Sousse, Tunisia, May 24-26, 2010.
- Member of the Scientific Committee of the “*Fifth International Conference on Operations Research*”, Marrakech, Morocco, May 24-27, 2010.
- Chair of “Management Science Division, the Administrative Sciences Association of Canada”, 2006-2007.
- Chair of “Cluster on Multi-Criteria Decision Aid, Conference of Canadian Operational Research Society and Optimization Days”, Quebec City, May 12-14, 2008.
- Chair of “Cluster on Multi-Criteria Decision Aid, Conference of Canadian Operational Research Society”, London, May 14-16, 2007.
- Chair of the “Second International Conference on Multi-Attribute Portfolio Selection”, Canada, May 6-8, 2007.
- Member of the Scientific Committee of the “6th International Conference on Multi-Objective Programming and Goal Programming: Theory and Applications”. Tunis (Tunisia), April 14-16, 2004.
- Member of the Scientific Committee of the 3<sup>e</sup> Conférence Internationale en Recherche Opérationnelle : Théorie et Applications; Marrakech (Morocco) June 4 to June 6, 2002.

- Chair of the Production and Operations Management Division of the Administrative Sciences Association of Canada, 2000-2001.
- Member of the Scientific Committee of the Joint Conference of Canadian Operational Research Society and Optimization Days, Quebec City, May 6-8, 2001.
- Member of the Scientific Committee of the FRANCORO III Conference, Quebec City, May 9-12, 2001.
- Program chair of the Production and Operations Management Division of the Annual Conference of the Administrative Sciences Association of Canada, Montreal (Canada), July 8-11, 2000.
- President of 4 sessions of the divisions “Production and Operations Management” and “Operations Research” of the Annual Conference of the Administrative Sciences Association of Canada, Montreal (Canada), July 8-11, 2000.
- President of 3 sessions of the division «Methods and Heuristics for Decision Making Systems» of the “International Conference on Artificial and Computational Intelligence for Decision, Control and Automation in Engineering and Industrial Applications”, Monastir (Tunisia), March 22-24, 2000.
- Organizer of 3 sessions (on Decision Aid) at the Optimization Days 1999, Montreal, May 10-12, 1999.
- Organizer of 2 sessions (on Decision Aid) at the CORS-SCRO’99: 41<sup>st</sup> National Conference, Windsor, June 7-9, 1999.
- Co-chair of the Third International Conference on Multi-Objective Programming and Goal Programming: Theories and Applications. Quebec City, May 31 and June 1-3, 1998.
- Organizer of the Multi-criteria Division (many sessions) at the INFORMS Annual Conference, Montreal, April, 1998.
- Member of the organizing committee of the 48th Meeting of the EURO Working Group "Multicriteria Aid for Decision", Quebec City, October 1-2, 1998.
- Session president at the 65th Conference of ACFAS, Trois-Rivières (Canada) May 12-16, 1997.
- Session president at the Second International Conference in Multi-Objective Programming and Goal Programming, in Torremolinos (Spain), May 16-18, 1996.
- Session president at the Annual Conference of the Administrative Sciences Association of Canada, Operational Research Division, Montreal (Canada), May 25-29, 1996.



- Session president at The Sixteenth International Symposium on Forecasting, Istanbul (Turkey), June 23-26, 1996.
- Member of the organizing committee of the International Symposium of the FAO (Food and Agriculture Organization), on Food Safety, Quebec (Canada), October 11-13, 1995.
- Member of the local organizing committee of the first international Symposium on Globalisation and Competitiveness: Implications for Policy and Strategy Formulation, Agadir (Morocco), May 8-11, 1995.
- Organizer, with the collaboration of Professor Jean-Marc Martel, of the Annual Conference of the Administrative Sciences Association of Canada (Operations Research Division), Halifax (Canada), 1994.
- Member of the organizing committee of the summer school on Multi-Criterion Decision Analysis, Quebec (Canada), August 1991.

### **ACADEMIC PARTICIPATION**

- Member of the selection committee of the Vice-President, Francophone Affairs, Student Affairs and Recruitment (2009)
- Vice-Dean Research, Faculty of Management, Laurentian University (2008 to 2011),
- Member of the Unit Personnel Committee, School of Commerce and Administration, Faculty of Management, Laurentian University (2007 to present),
- Member of the MBA Admission Committee, School of Commerce and Administration, Faculty of Management, Laurentian University (2008 to present),
- Member of committee of Canada Foundation for Innovation, Leaders Opportunity Fund (2007 to present),
- Member of committee of Canada Foundation for Innovation, Leaders Opportunity Fund (2007 to present),
- Member of the Selection Committee for the director of School of Commerce and Administration, Laurentian University, 2005.
- Member of the Selection Committee for the Dean of the School of Graduate Studies 2005.
- Member of the Laurentian University Research Fund Committee (2004-2005).
- Chair of the Decision Aid Research Group, July 2002 to present.

- Research Coordinator, of School of Commerce and Administration, Laurentian University, July 2002 to present.
- Member of the Accreditation Committee, Graduate Studies, Laurentian University, September 2005 to present.
- Member of the Unit Personal committee, School of Commerce and Administration, Laurentian University, 2004.
- Member of the Selection Committee for the Laurentian University Research Award (2003).
- Member of the Unit Personal committee, School of Commerce and Administration, Laurentian University, 2003.
- Member of the committee of «Fondation des bourses du millénaire» (2001-2002).
- Represent the Professional Schools in the Open House committee, Laurentian University, 2000.
- Council member of the Institute Northern Ontario Research and Development.
- Member of the e-commerce committee (School of Commerce and Administration, Laurentian University). This committee is in charge of the development of Bachelor program specialized in the electronic commerce.
- Member of the committee for the nomination of the director of School of Commerce and Administration, Laurentian University, 2000.
- Member of the committee for the nomination of the director of Operations and Decision Systems Department, Faculty of Business Administration, Laval University, 1995.
- Member of the Ph. D. Program Committee, Faculté des Sciences de l'Administration, Laval University (1995-1997).
- Member of the Admission and Supervision Committee of the Ph. D. program, Faculté des Sciences de l'Administration, Laval University (1995-1997).

## **PROFESSIONAL MEMBERSHIPS**

I am a member of the following scientific associations:

- INFORMS (INstitute For Operation Research and Management Sciences),
- SCRO (Canadian Operational Research Society),

- ASAC (Administrative Sciences Association of Canada),
- ACFAS (Association Canadienne Française pour l'avancement des Sciences),
- International Society on Multiple Criteria Decision Making,
- Member of the "Executive Advisory Council" of "The International Society for the Theory and Application of Multi-Objective Decision Analysis",
- President of the "Canadian Operational Research Society" (June 2003-2004);
- Vice-President of the "Canadian Operational Research Society" (June 2002-2003);
- Member of the Canadian Operational Research Society Council (June, 2001 to June 2002);
- Secretary of the Canadian Operational Research Society, Quebec chapter, (1998-1999).

### **COMMUNITY SERVICES**

Member of the executive board of the «Centre de Santé Communautaire de Sudbury», 2000-2003.