EDHEC
BUSINESS SCHOOL
Lille - Nice

	**Daphné Martellini-Sfeir, Ph.D.** ***Accounting, Law and Finance Department*** Professor - Speciality: Finance Phone : +33 (0)4.93.18.78.48 Fax : +33 (0)4. 93.18.78.40 E-mail : daphne.sfeir@edhec.edu

Professor Daphné Sfeir has been a member of EDHEC faculty since 2004. She is the programme manager for the M.Sc. in Risk and Asset Management and former programme manager for the M.Sc. in Finance. Before joining the EDHEC Risk and Asset Management Research Centre to head its global tactical asset allocation programme, Pr. Sfeir had led a successful career in space engineering at institutions like the NASA, the European Space Agency, Alcatel Space and the Space Science Laboratory at U.C. Berkeley. She holds Master's Degrees in Engineering and Astrophysics, a PhD in Astrophysics from the University Pierre and Marie Curie in Paris, as well as a Master's Degree in Mathematical Finance from the University of Southern California.

Pr. Sfeir is an expert in econometric modelling in finance, with applications ranging from asset allocation models to portfolio performance evaluation. She has served as a consultant for various international institutions on these questions and has contributed to the development of the technology for the Agefi Awards and the Europerformance Edhec Style Ratings. Pr. Sfeir's financial research has been published in *The Journal of Portfolio Management*, *The Journal of Alternative Investments* and *The Journal of Performance Measurement*.

EDUCATION

2002-03	**M.Sc**., **Mathematical Finance**, University of Southern California Joint program between the Economics and Mathematics Departments and the Marshall School of Business
1997-99	**Ph.D**., "Astrophysics and Space Technologies", Paris 6 University (P. et M. Curie) Joint supervision from the CNRS (Dr R. Lallement, Verrières-le-Buisson, France), and the Space Sciences Laboratory (Dr O. Siegmund, U.C. Berkeley, CA)
1994-95	**M.Sc.,** Astrophysics and Aerospace Engineering, (DEA Astrophysiques et Techniques Spatiales), Institut Astrophysique de Paris (I.A.P.)
1990-93	**M.Sc.,** Chemical Engineering, Ecole Nationale Supérieure de Chimie de Toulouse (E.N.S.C.T.)

1992-93 Student exchange program with Mc Gill University - Montreal (CANADA)

1988-90 Preparatory classes to the French nationwide competitive examination for admission into 'grandes écoles d'ingénieurs': 'math.sup./spé.' (lycée Fermat – Toulouse)

Summer 92 Participant of the 1992 Space Life Sciences Training Program (S.L.S.T.P.) NASA, Kennedy Space Center, Florida

ACADEMIC EXPERIENCE

2004-now Associate Professor, **EDHEC Economics and Finance Department.**

- In charge of the first EDHEC-Olympia Alternative Investment Summer Camp (2004)
- Programme manager : M.Sc. in Risk and Asset Management (2004-now) and M.Sc. in Finance (2004-5)

2003-04 Senior Research Engineer, **EDHEC Risk and Asset Management Research Centre**

- Responsible for the Global Tactical Style Allocation Program. Calibration of econometric models for unveiling evidence of predictability in equity returns.
- Design of the functions of a software dedicated to style/risk analysis and performance evaluation for Europerformance.

2000-02 Lecturer in astronomy and space sciences, **University of Southern California** (Department of Aerospace Engineering) and **The Claremont Colleges** (Joint Science Department)

1997-00 Assistant research specialist, FUSE mission and Post-Doc at the **Space Sciences Laboratory (S.S.L.), U.C. Berkeley**, California

PROFESSIONAL NON-TEACHING EXPERIENCE

2001-02 Consultant, **Europerformance**, in charge of the “Grand Prix de l’Agefi 2002”
- Style analysis and performance evaluation of mutual funds
- Cluster analysis and peer grouping

1996-97 Space Engineer, MERIS (ESA) thermal balance and optical vacuum tests **Alcatel Space**, Cannes, France

1993-94 Space engineer, Flight Procedure Software Tool development **European Space Agency** Operation Center (ESA), Darmstadt, Germany

PUBLICATIONS

Publications – Finance

- Using index options to improve the performance of tactical asset allocation programs, with N. Amenc, P. Malaise, and Daphne Sfeir, *Economic and Financial Review, EEFC publications, forthcoming*.

- Portable alpha and portable beta strategies in the Euro zone – Implementing active asset allocation decisions using index futures and options, with N. Amenc, P. Malaise and L. Martellini, *Journal of Portfolio Management, 30, 4, 204-215, 2004*

- Tactical asset allocation, the Encyclopedia of Financial Engineering, *Fitzroy Dearborn Publishers*, with L. Martellini, forthcoming.

- Tactical style allocation, a new form of market neutral strategy, with N. Amenc and L. Martellini, *Journal of Alternative Investments*, 6, 1, 8-22, 2003.

- An integrated framework for style analysis and performance measurement, with N. Amenc, and D. Sfeir, *Journal of Performance Measurement*, 7, 4, 35-41, 2003.

- Analyse de style et évaluation de performance, 2002, *Agefi*, numéro special, Grand prix de la performance, with N. Amenc and L. Martellini.

Publications – Astrophysics

- 3D mapping of the dense interstellar gas around the Local Bubble, 2003**,** *Astronomy and Astrophysics*, 411**,** 447, with Lallement, R., Welsh B. Y., Vergely J.L., Crifo F.

- Far Ultraviolet Spectroscopic Explorer (FUSE) observations of emitting and absorbing in the Local Interstellar Chimney, 2002, *Astronomy and Astrophysics,394, 691*, with Welsh, B. Y., Sallmen, S., Shelton R. B., Lallement, R.

- Interstellar Na II and Ca II absorption observed towards the Cygnus loop SNR, 2002, *Astronomy and Astrophysics***,** *391, 705*, with Welsh, B. Y., Sallmen, S., Lallement, R.

- Far Ultraviolet Spectroscopic Explorer observations of high-velocity gas associated with the Monoceros Loop SNR, 2001, *Astronomy and Astrophysics, 372, 516*, with Welsh, B. Y., Sallmen, S., Lallement, R.

- EUV mapping of the local interstellar medium: the Local Chimney revealed?, 2000, *Astronomy and Astrophysics, 352, 308***,** with Welsh, B. Y., Sirk, M. M., Lallement, R.

- Mapping the contours of the Local bubble: preliminary results, 1999, *Astronomy and Astrophysics, 346,785***,** with Lallement, R., Crifo, F., Welsh, B. Y.

Seminars and conference presentations

- Presentation at the American Astronomical Society Meeting (1999, May)
- UC Berkeley , SSL seminar series (09/22/1999)
- University of Madison Wisconsin - Astrophysics Seminar talk (02/10/2000)
- Princeton University - Astrophysics Seminar talk (02/25/2000)

TEACHING SPECIALITIES

- Investments
- Asset management
- Quantitative finance
- Portfolio theory