



CREATING SUPPLY CHAIN EXCELLENCE

43RD EDITION

**GLOBAL SUPPLY CHAIN MANAGEMENT
LAUSANNE 2016**

**EXECUTIVE MASTER PROGRAM MAS
CONTINUING EDUCATION CAS**

<http://iml.epfl.ch>

23 YEARS

**TEACHING SESSIONS
LAUSANNE 1993-2016**



Fabrice Schneider,
CEO, François Golay,
Swatch Group

FABRICE SCHNEIDER (IML ALUMNI 2003)

"IML's Global Supply Chain Management program based on an interactive teaching method gave me the opportunity to deepen my knowledge in Supply Chain Management. Also very appreciated was the international exposure and the opportunity to enter the watchmaking industry during the program. I warmly recommend this program driven by experts in their field which provides you valuable keys for your future."

- | **EPFL PRESTIGIOUS SCHOOL IN THE WORLD**
- | **TOP LEVEL EXECUTIVE PROGRAM WITH 80 ECTS**
- | **23 YEARS OF TEACHING PROGRAM**
- | **43RD EDITION OF THE EXECUTIVE MASTER (LAUSANNE & PARIS)**
- | **MORE THAN 900 GRADUATES REPRESENTING MORE THAN 75 DIFFERENT NATIONALITIES FROM THE 5 CONTINENTS**
- | **EPFL-IML, INTERNATIONAL REFERENCE FOR EDUCATION IN SUPPLY CHAIN MANAGEMENT**
- | **SUPPORT FROM INTERNATIONAL COMPANIES AND WORLD ORGANIZATIONS (SEE PAGE 16-17)**
- | **COLLABORATION WITH PRESTIGIOUS INTERNATIONAL UNIVERSITIES**
- | **KEY SUCCESS FOR YOUR FUTURE CARRIER**
- | **IML ALUMNI NETWORK**



Since 1993, more than 900 graduates representing 75 different nationalities from 5 continents have already received the diploma from the International Institute for the Management of Logistics. An increasing number of high-level companies enhance the value of the IML education program and offer the graduates a very diversified spectrum of job opportunities.

WHAT IS GLOBAL SUPPLY CHAIN MANAGEMENT?

The study program «Global Supply Chain Management» has been designed to provide all participants with the know-how, the competence and confidence necessary for the planning and implementation of logistical and supply chain projects at the strategic as well as the operational levels.

- It is open to executives and future executives specifically interested in supply chain management; some previous experience at executive level is required.
- It promotes research in Logistics and global supply chain management.
- It contributes to the development of modern logistics management methods and organizations.

The participants will develop a broad logistical culture based on technical, economical and managerial knowledge enabling project evaluation to be made by adding considerations from an entrepreneurial point of view.

THE INTERNATIONAL INSTITUTE FOR THE MANAGEMENT OF LOGISTICS

IML was created in 1990 as a partnership between the Ecole Polytechnique Fédérale de Lausanne, the École des Ponts ParisTech, the group AFT.IFTIM and a large number of industrial and service companies.

During the years, through its postgraduate educational program and research activities, IML has made itself known as an important international institute acting in the field of Logistics. In 1998, it received the Award of Excellence from the Institute of Transport Management (ITM) in Birmingham.

IML has strengthened its international dimension by creating a partnership with different universities from the world, particularly with:

- Université Laval
- European and American universities
- South American, Asian and North African universities
- International institutions: UNCTAD (ONU), UNHCR, ICRC, GS1,...

In addition to its postgraduate courses, IML develops continuing educational programs which respond to the Supply Chain training needs of national and multinational companies.

IML headquarters are located at the Ecole Polytechnique Fédérale de Lausanne, within the College of Management of Technology.





Christine Nordstrom Pillin,
Demand Planner,
Nestlé Suisse

CHRISTINE NORDSTRÖM (IML ALUMNI 2010)

“In a short time, the training at IML gave me an outstanding overview of the supply chain and enabled me to rapidly take on new challenges and be efficient in my role as a demand planner. The modules combining theory and case studies, as well as the international experience of the trainers provide a first-class education. The training also enabled to create an excellent professional network.”

IML, THE PERFECT INTERDISCIPLINARY AND INTERNATIONAL ENVIRONMENT

The globalization of markets and the internalization of trade force companies to adapt their research and development as well as their production and distribution structure. This has led companies to seek new highly qualified partners. IML offers a program which has a strong international character, due to a teaching body composed of a large number of professors and professionals from diverse walks of life and participants coming from all over the world. A wide range of problems and possible solutions are covered in theory as well as in practice.

The academic program consists of 5 blocks with 4 weeks each (40h/week), designed to expand the practical and methodological knowledge of the participants. These modules cover the latest developments in theory, tools and best practices in supply chain management. Each module can be followed independently, which allows participants to follow the program over more than one year. The subjects are tackled concretely by case studies presented by business professionals, are developed from a methodological point of view by professors from universities involved in the program and may be common with those presented in France. Every course has a formal evaluation and a qualifying exam synthesizes the material for all of the courses in the module.

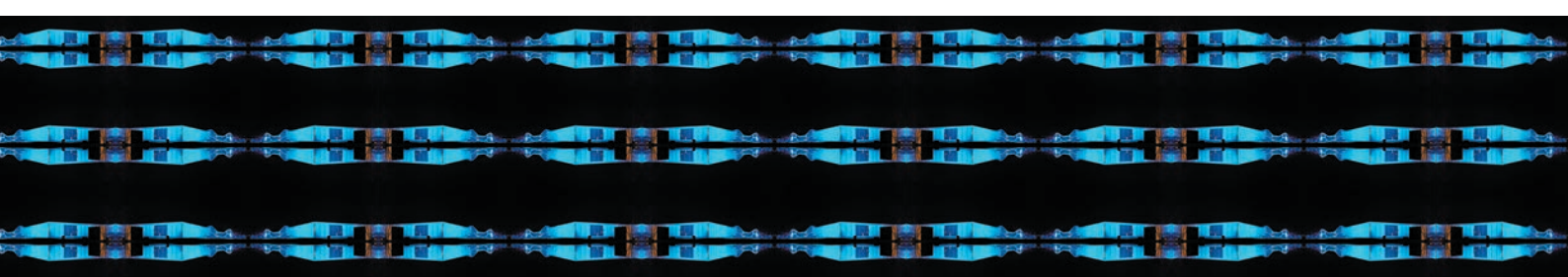
In addition to the 20 weeks (5 blocks), 2 weeks business games oriented are organized (W1, W2). These business games are Web-based simulations and players within a team use the Internet to collaborate, to reach decisions, to implement these decisions and to examine the results obtained. Some of the games are designed to develop a better understanding of fundamental supply chain concepts such as the Bullwhip effect and Risk pooling, but others are competitive games involving multi-enterprise strategic and tactical business decisions. Finally, the last week will be dedicated to the internship tutorial.

The courses are taught in English in Lausanne at the Ecole Polytechnique Fédérale de Lausanne and principally in French in Paris at the École des Ponts ParisTech/AFTRAL.

To maintain its position as one of the best European Masters in Logistics and Supply Chain Management, IML invests heavily in research in close collaboration with a cluster of European universities and international companies, as well as large organizations acting in a broad spectrum of professional domains: high-tech, biotech, food, supply chain, services, sustainable and fairtrade development.

IML ALUMNI ASSOCIATION > <http://www.iml-alumni.org>

The IML Alumni Association constitutes the network of the graduates who have received the executive master degree from the International Institute for the Management of Logistics.



TEACHING

The program is:

- **organized by academic and professional experts**, under the control of an international pedagogical committee.
- **run by highly qualified professionals** active in education, consulting and management.
- **80 ECTS**

TARGET GROUP

The **executive master program** is open to participants holding a master degree in science, engineering, architecture, economics and management, or an equivalent university degree.

The **continuing education program** can be attended by scientists and professionals from academies as well as industries, service organizations and public administrations. Each module can be attended independently by participants with proven work experience.

The choice of four modules, followed by a synthesis report entitles a **Certificate of Advanced Studies**.

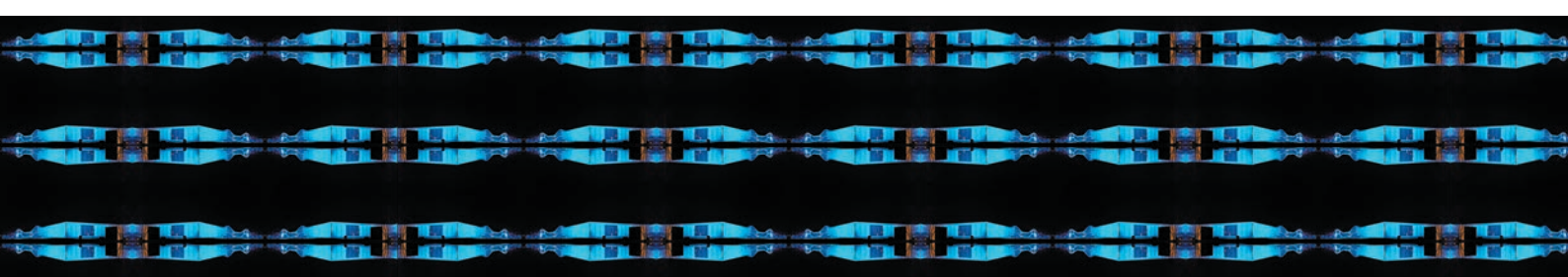
HIGHLIGHTS

- The curriculum is based on an interdisciplinary approach, aimed specifically at the integration of technology and management.
- The program has a strong international character, which is given by professors and experts in worldwide organizations.
- The teaching methods include theoretical approach and case studies.
- The curriculum integrates all of the challenges the logistician faces during his/her professional activities.
- Each module can be attended independently and is evaluated by a credit system which allows participants to follow the course over more than one session.
- The practical work can be realized in parallel with a professional activity.
- The program is organized in Lausanne and Paris. It is thus possible to be registered at one location but attend the various modules according to dates and availability at either location.

DIPLOMAS

The participants who have successfully completed both the theoretical and the practical parts of the program will receive either a:

- **Executive Master in Global Supply Chain Management (MAS: Master of Advanced Studies)**
 - Switzerland – awarded by the Ecole Polytechnique Fédérale de Lausanne, or a
- **Certificate of Advanced Studies (CAS)** – Switzerland – awarded by the Ecole Polytechnique Fédérale de Lausanne (4 modules + synthesis report)
- **Mastère Spécialisé en Conception et Optimisation des Supply Chains Globales** – France
 - awarded by the École des Ponts ParisTech in Paris. Diplôme reconnu par la Conférence des Grandes Ecoles françaises.



EXECUTIVE PROGRAM / MASTER OF ADVANCED STUDIES (MAS)

Theory

The theoretical program consists of 20 modules of 40 hours each, plus 3 weeks of case studies designed to enlarge the practical and methodological knowledge of the participants.

These modules cover the latest development in theory, tools and best practice in management and Logistics. The subjects are tackled concretely by case studies presented by business professionals and are developed from a methodological point of view by professors from universities involved in the program.

Practice

Once the theoretical part is successfully accomplished, students must perform a practical project (internship) within a company.

This project should be completed successfully over a minimum duration of 20 weeks. It gives students additional work experience and is also a prerequisite for obtaining the Executive Master.

The project goal is to carry out a practical study or research demonstrating high scientific capabilities, engineering knowledge and managerial skills. The project is operational and strategically oriented.

The practical project is supervised by academic staff. It is completed within a company or at one of the research units of the organizing academic partners.

The project is evaluated upon professional and academic value.

Remuneration: the practical project is paid and usually covers the registration fee.

CERTIFICATE OF ADVANCED STUDIES

A **Certificate of Advanced Studies (CAS)** is obtained by choosing four modules of the whole program. Each module is validated with an exam. A synthesis report finalizes the CAS.

PROGRAM SCHEDULE

	Lausanne 2016	Paris 2016-2017
Theory	January - June	see website:
Project	July - December	http://www.aftral.com/ecoles/iml

LANGUAGE

The program is given in English in Lausanne and in French/English in Paris. More details on the program schedules for Paris can be found at <http://www.aftral.com/ecoles/iml>

Although the course is given in English in Lausanne, in exceptional cases, French may be used in documents and lectures as well as on the occasion of industry visits.



FEES

	Lausanne	Paris
Executive master program (MAS)	CHF 18.800 .-	see website
Certificate of Advanced Studies (CAS, 4 modules)		
- IML members	CHF 5.500 .-	
- Non members	CHF 7.900 .-	
Continuing education (price per module):		
- IML members (the first module is for free):	CHF 1.500 .-	see website
- Non members:	CHF 2.800 .-	see website

APPLICATION

Executive master program: the candidates must send their application including a curriculum vitae, diplomas, certifications and reference letters before the final enrolment date.

The candidates' admission is based upon the analysis of a complete application file.
The registration committee may invite a candidate for an interview.

Certificate of Advanced Studies (CAS) and continuing education: the candidates must send the enclosed admission card.

FINAL ENROLMENT

	Lausanne	Paris
Executive master program:	Nov. 30, 2015	see website
Non-Swiss residents (to allow for visa formalities)	Oct. 31, 2015	
Continuing education:	2 weeks ahead of each module	

MANAGEMENT

Lausanne



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Paris



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INFORMATION & ADMISSION



SCHEDULE NEW PROGRAM

08

		Lausanne	
GSC	Global Supply Chain Management	11.01.2016 - 15.01.2016	BLOCK 1
DWG	Distribution and Warehousing	18.01.2016 - 22.01.2016	
IPS	Industrial Production Systems	25.01.2016 - 29.01.2016	
MFP	Managing the Financial Performance	01.02.2016 - 05.02.2016	
W1	Case studies: Collaboration platform	08.02.2016 - 12.02.2016	
SIM	Modeling and Simulation in Logistics	15.02.2016 - 19.02.2016	BLOCK 2
MCS	Marketing and Customer Service	22.02.2016 - 26.02.2016	
SFD	Statistical Forecasting and Demand Management	29.02.2016 - 04.03.2016	
LPM	Logistics Project Management	07.03.2016 - 11.03.2016	
TRS	Transportation Systems	14.03.2016 - 18.03.2016	BLOCK 3
LRM	Lean Organization Reliability and Maintenance	21.03.2016 - 24.03.2016	
PMS	Purchasing Management and Global Sourcing	04.04.2016 - 08.04.2016	
SCI	Supply Chain Information System	11.04.2016 - 15.04.2016	
SCT	Supply Chain Connective Technologies	18.04.2016 - 22.04.2016	BLOCK 4
ITD	International Trade: Border-crossing and Legal Issues	25.04.2016 - 29.04.2016	
SSC	Sustainable Supply Chain	02.05.2016 - 04.05.2016	
DOM	Decision Support and Optimization in SCM	09.05.2016 - 13.05.2016	
W2	Case studies: Strategic game	17.05.2016 - 20.05.2016	
FIN	Financial and Risk Evaluation	23.05.2016 - 29.05.2016	BLOCK 5
SCD	Robust and Resilient Supply Chain Design	30.05.2016 - 03.06.2016	
HRM	Human Resources Management	06.06.2016 - 10.06.2016	
BSM	Business Strategy	13.06.2016 - 17.06.2016	
W3	Case studies: Internship tutorial	20.06.2016 - 24.06.2016	
 HOLIDAYS			
	Easter	25.03.2016 - 01.04.2016	
	Ascension Day	05.05.2016 - 06.05.2016	
	Whitsun Day	16.05.2016	

PLEASE, NOTE THAT THE DATES MAY BE SUBJECT TO CHANGE. ANY CHANGES WILL BE NOTIFIED ON THE IML WEBSITE.



EXECUTIVE MASTER (MAS) / APPLICATION FORM

Documents to be provided with application form:

- Motivation letter
- Curriculum Vitae
- Certified true copies of certificates, university degrees and/or equivalent
- Copy of final university transcript or qualifications (final year of each course)
- Two reference letters
- Two recent photos

Personal information:

First name: _____ Last name: _____
 Birth date: _____ Nationality: _____
 Address: _____
 Telephone: _____ E-mail: _____
 Mother tongue: _____ Other fluent languages: _____

Professional information:

Current employer: _____ Current function: _____
 Address: _____
 Telephone: _____ E-mail: _____

I apply to the Executive Master in Global Supply Chain Management 2016.
 Upon graduation I will authorize the above information to be published in the IML Alumni directory [] yes [] no

Place and date: _____ Signature: _____

CONTINUING EDUCATION / CERTIFICATE OF ADVANCED STUDIES (CAS)

To be mailed at least one month ahead of each module.

I want to register for the following module(s):	CAS: 4 modules are required
<input type="checkbox"/> GSC Global Supply Chain Management	11.01.2016 - 15.01.2016
<input type="checkbox"/> DWG Distribution and Warehousing	18.01.2016 - 22.01.2016
<input type="checkbox"/> IPS Industrial Production Systems	25.01.2016 - 29.01.2016
<input type="checkbox"/> MFP Managing the Financial Performance	01.02.2016 - 05.02.2016
<input type="checkbox"/> SIM Modeling and Simulation in Logistics	15.02.2016 - 19.02.2016
<input type="checkbox"/> MCS Marketing and Customer Service	22.02.2016 - 26.02.2016
<input type="checkbox"/> SFD Statistical Forecasting and Demand Management	29.02.2016 - 04.03.2016
<input type="checkbox"/> LPM Logistics Project Management	07.03.2016 - 11.03.2016
<input type="checkbox"/> TRS Transportation Systems	14.03.2016 - 18.03.2016
<input type="checkbox"/> LRM Lean Organization Reliability and Maintenance	21.03.2016 - 24.03.2016
<input type="checkbox"/> PMS Purchasing Management and Global Sourcing	04.04.2016 - 08.04.2016
<input type="checkbox"/> SCI Supply Chain Information System	11.04.2016 - 15.04.2016
<input type="checkbox"/> SCT Supply Chain Connective Technologies	18.04.2016 - 22.04.2016
<input type="checkbox"/> ITD International Trade: Border-crossing and Legal Issues	25.04.2016 - 29.04.2016
<input type="checkbox"/> SSC Sustainable Supply Chain	02.05.2016 - 04.05.2016
<input type="checkbox"/> DOM Decision Support and Optimization in SCM	09.05.2016 - 13.05.2016
<input type="checkbox"/> FIN Financial and Risk Evaluation	23.05.2016 - 29.05.2016
<input type="checkbox"/> SCD Robust and Resilient Supply Chain Design	30.05.2016 - 03.06.2016
<input type="checkbox"/> HRM Human Resources Management	06.06.2016 - 10.06.2016
<input type="checkbox"/> BSM Business Strategy	13.06.2016 - 17.06.2016

For the CAS:

Documents to be provided same as a MAS (see above card)

First name: _____ Last name: _____
 Private address: _____ E-mail: _____
 Private tel: _____ Function: _____
 Company: _____ E-mail: _____
 Prof. address: _____
 Prof. tel: _____

Tuition fee:
 IML members 1.500 CHF per module – 5.500 CHF CAS (4 modules)
 Others: 2.800 CHF per module – 7.900 CHF CAS (4 modules)

PLEASE
STAMP



EPFL - CDM - IML
Odyssea
Station 5
CH - 1015 Lausanne

PLEASE
STAMP



EPFL - CDM - IML
Odyssea
Station 5
CH - 1015 Lausanne

GSC GLOBAL SUPPLY CHAIN MANAGEMENT

Prof. M. Fender, Consultant

Rigot-Müller, Consultant

U. Doenges, Procter and Gamble International

Ch. Mozley, WW Planning Director,
Johnson & Johnson

- Nature of value creation networks and impacts of globalization
- Fundamental tradeoffs (capacity vs inventory vs delay vs value) and local/global optimization
- SCM paradigms (total quality, leanness, quick response, customization, agility)
- Manufacturing and logistics strategy (order winners, decoupling points, variety, postponement)
- Industry differences (process vs discrete products vs service) and reverse logistics

DWG DISTRIBUTION AND WAREHOUSING

M. S. Lunden, Swisslog Company

Prof. Ph. Wieser, industrial visits

- Distribution strategies
- Warehouse design (Handling, storage technology, space management)
- Warehouse Management Systems (Order Picking, WMS)
- Warehouse technologies
- Industrial cases and visits

IPS INDUSTRIAL PRODUCTION SYSTEMS

Prof. R. Glardon, EPFL IPR LGPP

- New constraints and objectives in the industrial production
- Inventory management (EOQ, Lot sizing, Stochastic case, Multi-item case, Multi-echelon case, DRP)
- Typology of production systems
- Principles of production, planning and control
- Aggregate Planning (vs S&OP)
- MPS, MRP, Capacity RP
- JIT and hybrid industrial flow management
- Scheduling and Shop floor control





Denis Jaquenoud
Vice President of Operations
Richemont North America Inc.

DENIS JAQUENOUD (IML ALUMNI 2000)

“Today, businesses moves at the speed of thought. The internet enables a perpetual cycle of interaction and feedback with customers about a company’s products and services on an international scale.

Successful companies of today are extremely agile across all functions. They are able to adjust and adapt rapidly to constantly evolving business constraints. The education curriculum offered by the International Institute for the Management of Logistics is comprehensive and provides its graduates with a cross-functional understanding of business requirements and processes.

These foundational competences and knowledge have provided me an array of professional opportunities - first in Supply Chain Management and then evolving into a multi-disciplinary leadership role. The IML has been my gateway to an unbelievable international career full of exciting experiences and learning opportunities. I can only recommend this comprehensive program to students who are looking to broaden their business knowledge and aspire to become the business leaders of tomorrow.”



MFP MANAGING THE FINANCIAL PERFORMANCE

M. Chambaz, Head of Controlling, EPFL
A. Siegrist, CFO

- Introduction to financial statements
- Interpretation of financial statements, ratio analysis
- Managing performance with Balanced Scorecard
- Planning and budgeting
- Controlling

SIM MODELING AND SIMULATION IN LOGISTICS

Dr. A-M. Nogareda, CODICE
S. Farsah, Procsim

- Modeling strategic and operational decisions
- Simulation methods for deterministic and stochastic situations
- Mathematical toolbox and computer aided modeling
- Simulation: models and languages, validation and experiences planning for result analysis
- Numerical simulator (case studies based on a commercial simulator)
- Monte Carlo methods



MCS MARKETING AND CUSTOMER SERVICE

Prof. B. Calisti, EM-Lyon
Prof. M. Dubosson Torbay, HEG

- Product-markets
- Customer behaviour
- Marketing strategy
- Marketing plans and programs (product, price, promotion, place)
- Customer service (elements, process)
- Customer relationship management (CRM)
- e-marketing

SFD STATISTICAL FORECASTING AND DEMAND MANAGEMENT

Prof. Ph. Wieser, Director IML
 Dr. S. Meunier Martins, Rolex
 V. Keller, CIO
 A. Maamar, Supply Chain Director, Novartis
 N. Gueissaz, Supply Chain Director, Nestradé
 O. Gleron, Head of Demand and Supply Planning, Nestec
 I. Arguello, Global Inventory Director, Firmenich

- Demand Processes and Demand Management (including S&OP)
- Introduction to Probability and Statistics
- Time Series Forecasting Methods
- Regression Analysis
- Forecast errors and demand distributions
- Forecasting Systems Design (including collaboration and tracking)
- Demand Fulfilment and Revenue Management
- Practice and case studies

LPM LOGISTICS PROJECT MANAGEMENT

Prof. S. Riboni, SR Consulting
 O. Jean, First Vice-President, BNP Paris
 A. Schlegel, Nestlé

- System approach of Logistics organizations and processes
- Project management methods and tools (MS-project)
- Mastering time, finance and resources
- Economical evaluation and multi-criteria analysis of logistical projects
- Appraising and managing risk





Daniel Oertli
Head of Supply Chain
Merck Serono, France

DANIEL OERTLI (IML ALUMNI 2006)

"IML's Global Supply Chain Management program was a unique experience both in content and format. The wide variety of topics addressed provided for a comprehensive coverage of Supply Chain and thus outstanding insight in the domain. The teaching faculty had excellent credentials: theoretical and practical, from public and private sectors. The pace of the program required intense personal involvement. Students with diversified background and education favoured exchange and enhanced the learning experience. Supply Chain understanding so gathered can be put into practice on a daily basis. IML's Global Supply Chain Management program is suited to start in the area as well as to confirm one's existing knowledge in the field."

TRS TRANSPORTATION SYSTEMS

Dr. L. Dablanc, IFSTTAR

Prof. M. Savy, Université Paris-Est

Dr. A. Frémont, RFF

B. Schlumpf, Global Shipping & Logistics, Consultant

- Nature and role of freight transportation
- Road transportation (infrastructures, regulations, supply, tarification)
- Rail transportation (infrastructures, supply, regulations, tarification)
- Sea transportation (infrastructures, regulations, supply, tarification)
- Air transportation (infrastructures, regulations, supply, tarification)
- Intermodal transportation and intermediaries
- Economic selection of transportation means

LRM LEAN ORGANIZATION RELIABILITY AND MAINTENANCE

Dr. L. Battezzati, Visiting Professor of Operations, Politecnico di Milano

Dr. A. Bazzi, LIUC

- Quality standards and certification process
- Statistical quality control
- Systems reliability
- System maintenance
- Life cycle engineering
- Lean management

PMS PURCHASING MANAGEMENT AND GLOBAL SOURCING

- J. Belabidi, Procter and Gamble International**
A. Duprez, Partner, ADXL
 E. Gerrits, Schneider Electric
 X. Tallon, TL
 S. Bordier, Head of 3PO, Sandoz
 D. Mesguich, Direct Material Procurement, Philip Morris
- Procurement strategy
 - Make or buy decisions (subcontracting, outsourcing)
 - Purchasing process, competitive bidding and negotiation
 - Supplier development and certification programs
 - Global sourcing
 - Supplier selection and evaluation
 - e-procurement (B2B, market places, auctions)
 - Service and public sector procurement
 - Sustainable sourcing

SCI SUPPLY CHAIN INFORMATION SYSTEM

- Prof. S. Riboni, SR Consulting**
 N. Esmail, Senior IT Manager, Stryker
 D. Lellouche CEO, Dowap
 J. Cleraux, Novartis
- SCIS design (data & process modeling)
 - SCIS selection (commercial ERP & APS systems, selection criteria, parametrization)
 - SCIS implementation
 - SCIS maintenance
 - Data warehouses (design and exploitation)
 - Knowledge management

SCT SUPPLY CHAIN CONNECTIVE TECHNOLOGIES

- F. Spoleti, Partner Accenture**
 P. Chiappini, D. Verdecchia, Accenture
 C.M. Bruni, Consultant
 A. Wahli, Nestlé
 Dr. L. Battezzati, Visiting Professor of Operations, Politecnico di Milano
- Tracking and tracing of logistic flows (eCom standards, bar coding, RFID, EDI, XML, GPS)
 - Design of EDI/RFID/GPS systems
 - Selection of EDI/RFID/GPS systems
 - Implementation of EDI/RFID/GPS systems
 - Maintenance of EDI/RFID/GPS systems

ITD INTERNATIONAL TRADE: BORDER-CROSSING AND LEGAL ISSUES

- Dr. J. Hoffmann, Chief**
Dr. M. Orthlieb
B. Sitorus
UNCTAD, Transport and Trade Facilitation
 H. Benamara, Maritime Transport Specialist (UNCTAD)
 N. Stauffer Von May, gbf Attorneys-at-law
 M. Saeed, Customs and Trade Facilitation Specialist (ITC)
 S. Lake, International Trade Consultant (ITC)
 P. Hansen, Transport and Trade Facilitation Specialist (UNCTAD)
 F. Youssef, PPP and Transport Specialist (UNCTAD)
- Geopolitical and cultural differences and specificities
 - The international trade transaction, incoterms, payment methods, risk, liability and insurance
 - Basic concepts on customs, harmonized system, customs clearance process, automatization of procedures
 - Customs trade partnership against terrorism (C-TPAT, EU-Authorized Economic Operator,...)
 - Case studies



SSC SUSTAINABLE SUPPLY CHAIN

S. Voldrich, EPFL

Prof. Ph. Wieser, EPFL, IML Director
International companies

- Introduction to sustainable supply chain, green logistics
- Environmental and social impact, carbonfoot print, life cycle assessment, reverse logistics, waste processes
- Define sustainability strategies

DOM DECISION SUPPORT AND OPTIMIZATION IN SUPPLY CHAIN MANAGEMENT

Prof. A. Hertz, Ecole Polytechnique, Montreal, Canada

Prof. N. Zufferey, University of Geneva
Dr. D. Costa, Nestlé Suisse SA

- Standard operations research models and optimization methods for decision making
- LP, Network and MIP model formulation
- Solving LPs, Network and MIP models with the Excel solver
- Introduction to heuristic methods
- Decision support system tools and environments
- Applications (production planning, sequencing, scheduling, transportation and routing problems)

FIN FINANCIAL AND RISK EVALUATION

Prof. Ph. Raimbourg, Université Paris I, Panthéon-Sorbonne

Prof. P. Navatte, Université Rennes 1
M. Leuthold, Director, Banque E. Rothschild

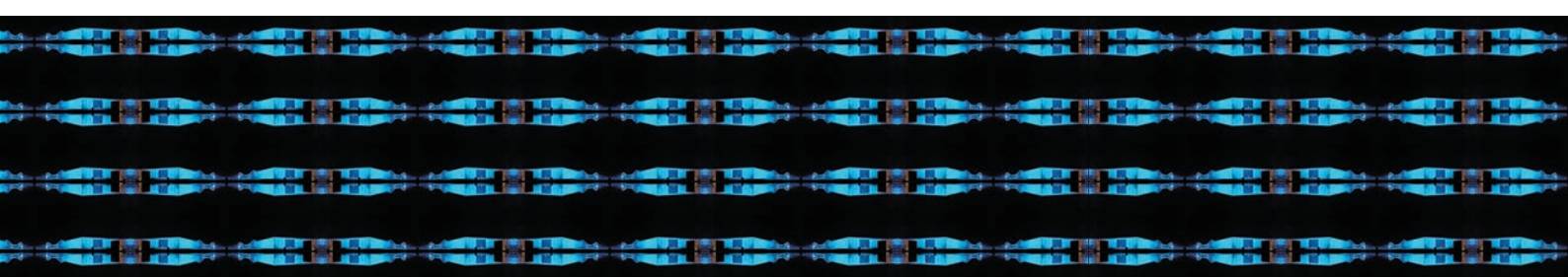
- Capital structure
- Financial analysis of the company: financial function, financial evaluation, indicators
- Market valuation of the company
- Financing the companies
- Elements of multinational finance (currency markets, derivatives)
- Case studies

SCD ROBUST AND RESILIENT SUPPLY CHAIN DESIGN

S. Pellandini, Partner, GEA

M. Chinello, Partner, GEA
G. Fascina, Partner, GEA
G. Masiero, Senior Consultant, GEA
L. Crippa, Consultant, GEA

- Design Process (audit, reengineering)
- Supply chain mapping (Value stream mapping)
- Deployment strategy
- Risk Management
- Security and resilience
- Strategic alliances and partner selection (3PLs, outsourcing)
- Vertical integration versus decentralization in multi-national companies
- Reverse logistics
- Plant layouts and technology



HRM HUMAN RESOURCES MANAGEMENT

A. Lenz, Consultant
F. Reinartz, Consultant
S. Sloan, STS Consultant

- Analyzing leadership styles
- Managing communication and conflicts
- Negotiation
- Stimulation of group dynamics
- Managing in a matrix organization
- Motivating a project team
- Self-managed teams

BSM BUSINESS STRATEGY

Prof. D. Poulin, Université LAVAL
Prof. Y. Cimon, Université LAVAL

- Analysis of internal and external environments
- Strategic choices (business strategy, functional strategies, innovation)
- Strategy deployment
- Core competencies
- Network strategies
- Ethics and social responsibilities

CASE STUDIES AND TEAM WORKS**W1 SUPPLY CHAIN GAMES, COLLABORATIVE PLATFORM**

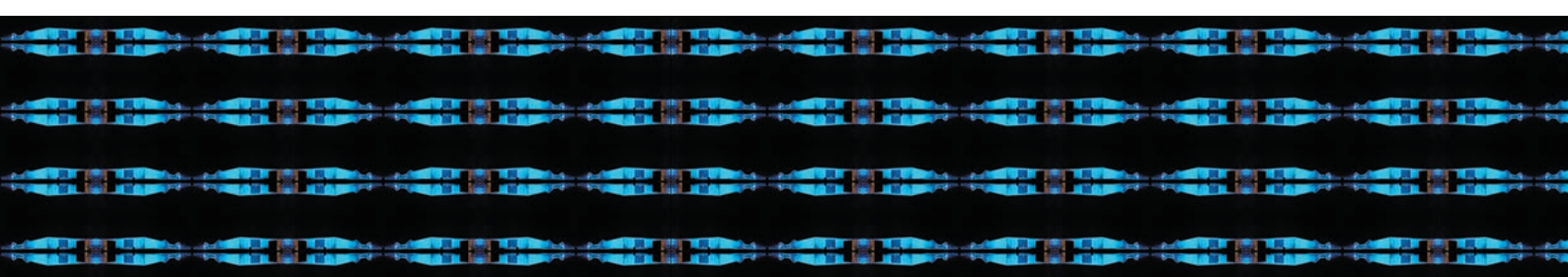
Prof. R. Gardon

W2 STRATEGIC GAMES

M. Amami, Be Soft

W3 INTERNSHIP TUTORIAL

Prof. Ph. Wieser



ACADEMICAL MEMBERS / ORGANIZATIONS

EPFL - Ecole Polytechnique Fédérale de Lausanne*

ENPC - École des Ponts ParisTech, Paris*

AFTRAL - Apprendre et se former en transport et logistique, Paris (ex. AFT-IFTIM)*

Université LAVAL – Québec

University of Genova – Italy

EURONiL - European University Research and Operations Network in Logistics

EIVD - Ecole d'ingénieurs du canton de Vaud

HEC - École des Hautes Etudes Commerciales de l'Université de Lausanne

HEG - Haute école de gestion de Neuchâtel

Supply Chain Council

Fondacion BECA

ULB, Université Libre de Bruxelles

GS1, Global Standard 1

TU Delft

SSC, Société Suisse de Chronométrie

Swiss Shippers Council

UNCTAD / UNO - United Nations Conference on Trade and Development

ICRC - International Committee of the Red Cross

IMMTA - International MultiModal Transport Association

EHTP - Ecole Hassania des Travaux Publics, Casablanca

Centre patronal vaudois

CVCI - Chambre vaudoise du commerce et de l'industrie

DEV - Développement Economique Vaud





Rachel Cywie,
Regional Planning Manager,
Nestlé

RACHEL CYWIE (IML ALUMNI 2006)

“One year at the IML really worth it! The program proposed provides a global overview of the supply chain and allows getting a good understanding of the whole value chain. You will acquire at the IML the knowledge of logistical systems and learn how to manage them. You’ll become familiar not only with supply chain topics such as planning, transport, procurement, manufacturing, customer service, but also with broader themes as finance, controlling, marketing and human resources. Project management is also well included in the scope. All modules are highly qualitative and the professors and external presenters will share with you their personal rich and various experience. Theoretical courses along with practical exercises and case studies guarantee the best learning. Following the program you will become part of the supply chain talents pool and then answer companies’ needs and expectations. You will have the relevant skills to become a future supply chain expert. It’s also definitely a unique opportunity to meet people with different cultures and backgrounds, and to have a lot of fun while intensely studying!”

PROFESSIONAL MEMBERS

Audemars Piguet
BlueBotics SA
Bobst Group
Bulgari
CERN
Deloitte
DHL
Eaton
Essilor
Firmenich
Galaxis / Galenica
GEA Consulenti Associati
Geodis
Groupe PP Holding
Holcim
HP-Compaq*
Holdigaz, Vevey
Linde AG
Logitech
Luxury Timepieces International

Medtronic Europe
Michael Page International
Nestlé / Nestec
Nespresso
Novartis*
Officine Panerai
Omega
Panalpina
Philip Morris*
PIT
Procter & Gamble
Richemont International
Rolex
Schiltknecht Consulting Group
SC Johnson
Services Industriels de Genève
SGS Société Générale de Surveillance SA
Syngenta*
Swisslog
Tradall / Bacardi

*Founder members



INTERNATIONAL INSTITUTE FOR THE MANAGEMENT OF LOGISTICS

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ET PAR LE GROUPE AFTRAL



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WARNING: The information given in this booklet may be subject to change. Any changes will be notified on the IML website. Please note that if the number of participants is not sufficient, the program could be cancelled.