SUMMER SCHOOL

TECHNOLOGY & INNOVATION MANAGEMENT

2-6 October 2017 - Nice

MONDAY 2 OCTOBER

08.00 – 08.50 | Breakfast

08.50 – 09.00 | Giuseppe Sansone Welcome

Business plan-theory (strategic and marketing plans)

09.00 – 10.00 | Franco Quillico Introduction: Business plan goals, sources of financing for a start-up company, Lean start up approach, Business plan contents

10.00 – 11.00 | Franco Quillico Strategic plan: External and internal analysis, strategy definition, business model CANVAS

11.00 – 11.30 | Coffee Break

11.30 – 12.30 | Franco Quillico Marketing plan: market analysis and demand forecast, marketing plan definition

12.30 – 14.30 | Lunch

Business plan-Applications of market analysis and fund raising

14.30 – 15.15 | Francois Sylla Market analysis in the scientific instrumentation sector

15.15 – 16.00 | Antoine Dubrouil Prepare a business plan and raise fund for a start-up

16.00 – 16.30 | Coffee Break

Business plan-theory (operating and organizational plans)

16.30 – 17.30 | Franco Quillico Operating plan: key processes analysis, main resources and inputs

17.30 – 18.30 | Franco Quillico Organizational plan: core Human Resources, Organization, Human Resources Management Systems

TUESDAY 3 OCTOBER

08.00 – 09.00 | Breakfast

Business plan-theory (economic and financial projections)

09.00 – 10.00 | Franco Quillico Economic and financial projections: projected income statement balance sheet, projected cash flow statement, Capital Budgeting indicators, Sensitivity analysis

10.00 – 11.00 | Franco Quillico Analysis and discussion of real Business ideas

11.00 – 11.30 | Coffee Break

Business operation-applications

11.30 – 12.15 | Michel Lemonier Project management at Amplitude Technologies

12.30 – 14.30 | Lunch

Design thinking and business innovation

14.30 – 15.30 | Florence Mathieu Introduction of design thinking and culture exploration

15.30 – 16.30 | Benjamin Nussbaumer Visual thinking

16.30 – 17.00 | Coffee Break

17.00 – 18.00 |Florence Mathieu, Benjamin Nussbaumer Marshmallow challenge

WEDNESDAY 4 OCTOBER

08.00 – 09.00 | Breakfast

09.00 – 10.00 | Jacqueline Allan Research, entrepreneurship, and policy: lessons from NanoData

10.00 – 11.00 | Ronald Kleverlaan Crowdfunding

11.00 – 11.30 | Coffee Break

11.30 – 12.15 | Julien Chicot The role of demand in the innovation systems

12.15 – 13.00 | Luca Remotti Open innovation and business innovation processes

13.00 – 15.00 | Lunch

15.00 – 16.00 | Marius Kuningas IPRs and its value in technology transfer process

16.00 – 16.30 | Coffee Break

16.30 – 17.30 | Veikko Ikonen Responsible Research & Innovation

THURSDAY 5 OCTOBER

07.30 – 08.30 | Breakfast

Workshop: Communicating Science

08.30–09.00 |Johan Mauritsson Introduction and organization of the work groups

(Composition of the work goups: E1 = ESR:1-3; **E2** = ESR:4-7, **E3** = ESR:8-10, **E4** = ESR 11-14**)**

09.00 – 10.30 |E1&2| **Anders Ahlberg, Maurizio Contran** Presentation recording
| E3 | **Johan Mauritsson, Ingrid Odlén** Video recording
| E4 | **Tine de Paw, Sara Calcagnini, Federico De Vettori** Outreach activities: objectives achieved and new opportunities

10.30 – 11.00 | Coffee Break

11.00 – 12.30 |E1&2| **Anders Ahlberg, Maurizio Contran** Presentation recording
| E4 | **Johan Mauritsson, Ingrid Odlén** Video recording
| E3 | **Tine de Paw, Sara Calcagnini, Federico De Vettori** Outreach activities: objectives achieved and new opportunities

12.30 – 13.30 | Lunch

13.30 – 15.00 |E3&4| **Anders Ahlberg, Maurizio Contran** Presentation recording
| E1 | **Johan Mauritsson, Ingrid Odlén** Video recording
| E2 | **Tine de Paw, Sara Calcagnini, Federico De Vettori** Outreach activities: objectives achieved and new opportunities

15.00 – 15.30 | Coffee Break

15.30 – 17.00 |E3&4| **Anders Ahlberg, Maurizio Contran** Presentation recording
| E2 | **Johan Mauritsson, Ingrid Odlén** Video recording
| E1 | **Tine de Paw, Sara Calcagnini, Federico De Vettori** Outreach activities: objectives achieved and new opportunities

17.00 – 17.30 |Anders Ahlberg Discussion and feedback on the presentations

19.30 – 22.30 | Aperitif & Social Dinner

FRIDAY 6 OCTOBER

08.00 – 09.00 | *Breakfast*

Workshop in Laser Technologies

09.00 – 09.45 | Andreas Assion CEP-stable oscillator and amplifier
09.45 – 10.30 | Jean-François Hergott CEP stabilization of amplified grating based Ti:sa laser systems

10.30 – 11.00 | *Coffee Break*

11.00 – 11.45 | Nicolas Forget Carrier-enveloppe phase: metrics and metrology
11.45 – 12.30 | Thomas Binhammer CEP stable few-cycle OPCPA laser system

12.30 – 14.30 | *Lunch*

14.30 – 15.15 | Michel Knut Laser – an industrial success story
15.15 – 16.00 | Yoann Zaouter Ultra-short high average power fiber lasers

16.00 – 16.30 | *Coffee Break*

16.30 – 16.50 | Mathieu Paurisse Amplification simulation of PW Ti:sa lasers
16.50 – 17.15 | Franck Falcoz PW laser architecture

Invited Speakers

Franco Quillico – Andromeda Consulting - MIP Politecnico di Milano Graduate School of Business

Franco Quillico received an MS Summa Cum Laude in electrical engineering from the Polytechnic of Milan, in 1979. In 1984 he graduated with a Master in Business Administration (M.B.A.) in Finance from the Wharton School, University of Pennsylvania, where he was awarded the Beta Gamma Sigma Scholarship Award for achieving the highest academic performance in the M.B.A. class.

After an experience in industry, his professional career has been in strategy consulting, with McKinsey and Bain, and in investment banking, with Salomon Brothers.

Franco Quillico is the Managing Partner of Andromeda Consulting. Andromeda Consulting is based in the Principality of Monaco, and it advises corporate clients on business strategy, with a particular focus on mergers & acquisitions. Since its inception, in December 1993, it has advised clients in transactions worth over $ 5 billion.

Mr. Quillico has advised clients in various industries: oil & gas, telecommunications, pharmaceuticals, packaging, banking, information services, construction materials, railroad, utilities, constructions, retail, real estate and fast food. He has also delivered Workshops for managers and entrepreneurs in several countries: United States, Australia, United Kingdom, France, Italy, Belgium, Switzerland, Spain, Germany, Luxembourg, Greece, Finland, Russia, Czech Republic, Croatia, Ukraine, Mongolia, Iran, Algeria, Jordan, Kenya, Tanzania, Malaysia, Taiwan, Kuwait, United Arab Emirates and the Kingdom of Saudi Arabia.

Mr. Quillico is Adjunct Professor of Finance and Strategy at MIP, the School of Management of the Polytechnic of Milan; Adjunct Professor at Link Campus University in Rome; Adjunct Professor of Finance and Strategy at the International University of Monaco (where, in June 2006, he received the "IUM Outreach Award" for excellence in teaching which was presented to him by Prince Albert II of Monaco). In February 2011, together with his colleague Gregory Moscato, he has won the 21st European Case Clearing House (ECCH) Case Award in the category “New Case Writer” for the case “Tango vs. Victor”. In March 2016, together with his colleagues Federico Frattini and Alfredo De Massis, he published an article on “What Big Companies Can Learn from the Success of the Unicorns“ in the Harvard Business Review Digital: the article was picked by NASDAQ as one of the four most interesting articles in the HBR of that month. Since 2011 Franco Quillico publishes a daily newsletter on business topics, which is available on the website www.food4brains.com

Francois Sylla – Sourcelab

Dr. François Sylla, co-founder of SourceLAB, got his Bachelor degree in Ecole Supérieure de Physique et Chimie industrielles de Paris (ESPCI-ParisTech) and his Master degree in optics qnd Photonics in 2011 in Imperial College London, and his Phd on laser driven ion acceleration in the field of Physics plasma at Laboratoire d’Optique Appliquée (LOA) in Ecole Polytechnique. With Professor Victor Malka, he developed an exploratory approach to laser-plasma interaction in the quasi-critical regime based on dense gas jets developed during his thesis. On the basis of this work, he co-founded in 2013 the SourceLAB company specialized in the development and societal applications of plasma laser accelerators. SourceLAB today pilots the world's first industrial X-ray tomography project based on this breakthrough technology.

In 2011, he was awarded the ParisTech thesis prize, the Jean-Louis Gérondeau / Zodiac Aerospace award for the SourceLAB project, and in 2014 received the Norbert Ségard Foundation engineer-creator prize. He is an executive member of the board of directors of the Norbert Ségard Foundation and a pilot for the Guinean Ministry of Higher Education and Scientific Research, the first preparatory class in Guinea-Conakry. He also chairs the Syfo association, which aims to create the first viticultural farm in the Republic of Guinea.

Antoine Dubrouil - Femtoeasy

Antoine Dubrouil is a laser physicist specialized in ultrafast laser and attosecond science. He received his PhD from the University of Bordeaux in 2011. During his PhD at CELIA laboratory, he developed the first Terawatt sub-10 fs laser source and used those high intensity pulses to generate intense attosecond pulses. He acquired during his PhD a strong expertise in the production and characterization of femtosecond and attosecond pulses. After his PhD, he went to Australia for a post doc position in Swinburne University in Melbourne. As a laser technology expert, he was in charge to upgrade their laboratory infrastructure to latest laser technology. His next stint was in Milan, Italy where he spent his time in fundamental research with the Politecnico di Milano, one of the world’s best laser research institutes. After his period in Milan, he decided to come back to Bordeaux at CELIA in 2014 with the motivation to create a company related to laser technology. He submitted a project to CNRS for the development of a new type of single shot autocorrelator and FROGs. The project has been supported by CNRS and other organism then followed such as Aquitaine Science Transfert, BPI France and Incubateur régionale d’Aquitaine. After one year and a half of maturation, the project finally results in the creation of Femto Easy, a company specialized in ultrafast laser

instrumentation. Antoine founded the company in February 2016 with an associate Stephane Lecorné who is talented software developer. Antoine and Stéphane followed up courses at HEC Challenge+ to learn the basis of entrepreneurship. After almost two years of existence, the company is showing a promising development.

Michel Lemonier - Amplitude Technologies

Michel Lemonier is Amplitude Technologies' Chief Operating Officer since 2013. Michel started his career with Philips in 1980 to 1990 as research engineer and then group leader on detection devices and photonics. He joined the Philips' telecommunication industry in France in 1990 as R&D manager and left the company in 2001 when Philips stopped its mobile telecommunication activities. From 2002, Michel was working as a consultant and from 2005 to 2013 for French public agencies and the ministry of industry, dealing with public funding projects on research and innovation. Michel Lemonier was born at Paris, France, in 1954. He is graduated with a degree of Engineer in Physics from the Ecole Supérieure de Physique et de Chimie Industrielle (ESPCI), Paris, in 1978, with a PhD in Physics in 1984 and a Master of Management of Enterprise / Public Administration from University of Dauphine, Paris, in 2013.

Florence Mathieu – D.school Paris at Ecole des ponts

Florence graduated from École Nationale des Ponts et Chaussées. After a specialization in Industrial Engineering and several experiences in industrial groups, she specializes in design thinking. As project manager at d.school Paris, she supervises numerous projects and trainings on design thinking and develops expertise on innovation for aging people. She founded in parallel Aïna, a start-up whose objective is to reinvent the daily life of the elderly. She wrote the book "Design Thinking by Practice" published by Editions Eyrolles.

Benjamin Nussbaumer – D.school Paris at Ecole des ponts

Benjamin graduated from École des Ponts ParisTech in Industrial Engineering. After a year of study at Los Angeles College of Music, Benjamin participated in the ME310 Design Innovation program on bathroom for seniors with Lapeyre. He then found in innovation the perfect combination between his engineer and his artist side. He works at dschool Paris as a specialist and coach of projects in IoT, digital, and as a professional musician independently.

Jacqueline Allan – JIIP

Dr. Jacqueline Allan is Senior Policy Advisor at the Joint Institute for Innovation Policy (JIIP). She is an experienced manager, strategic advisor, evaluator and policy analyst at international and domestic levels for science, technology and industry policy. Jacqueline has over 15 years of experience in policy development, governance frameworks and evaluation and has been the author of numerous policy and evaluation reports.

Prior to joining JIIP, Jacqueline was Senior Policy Analyst (biotechnology and nanotechnology) at the OECD in Paris. She now manages, amongst other projects, the multi-partner, multi-sectoral European Framework Contract NanoData.

The NanoData project, commissioned by DG Research and Innovation, is providing information and informing policies to enable researchers, European industries and others to innovate with nanotechnology in a safe and responsible manner. The project involves gathering and analysis of quantitative and qualitative data (e.g. on projects, publications, patents, products, markets for nanotechnology) in eight sectors including health, energy, ICT, environment, construction, transport; providing systematic insights into the whole nanotechnology value chain, from scientific research to market, presented in sector reports; reporting data on nanotechnology in a searchable web-based resource, an integrated information base accessible to the wider public, for interested stakeholders and for specialists; impact assessments (combining ex-ante and ex-post IA); the exploration of technology trends and potential impacts of nanotechnology to 2020 and 2025, all with the goal of informing European policy-making on nanotechnology and related topics.

Julien Chicot – JIIP - Joint Institute for Innovation Policy

Dr Julien Chicot is a policy analyst with professional and academic experience across topics including innovation policy, systems of innovation, and demand-driven innovation. He joined the Joint Institute for Innovation Policy in October 2016. Since then, he has mostly been involved in projects for the European Commission related to Research and innovation policies for the revitalisation of the European solar photovoltaic industry, Open innovation, and Internet of Things clusters.

Previously, he was a temporary policy analyst (consultant) at the OECD Directorate for Science, Technology and Industry, where he contributed to the OECD Science, Technology and Industry (STI) Outlook 2012. Based on the country responses to a dedicated policy questionnaire, he drafted a number of country profiles reviewing most recent trends in STI policies and benchmarking national research and innovation systems. Julien also assisted in building the premises of the current EC/OECD International Database on STI policies.

Julien was a doctoral researcher at the Grenoble Applied Economics Laboratory (GAEL) of University Grenoble Alpes (UGA). The main topic of his research is public procurement of innovation. As part of his research activities, he was a visited scholar at the University of Manchester.
He has degrees in International Administration (LL.M, University Paris 2 Panthéon-Assas, 2012) and in Political Sciences and Public Management (M.A., Sciences Po Rennes, 2013), and is completing a PhD in Economics (University Grenoble Alpes, 2017).

Veikko Ikonen – VTT Technical Research Centre of Finland

Mr. Veikko (M.A., Design Anthropologistis Senior Scientist in the Value-driven decision making–team in VTT. He is focused on the human-driven design of future technologies, applications and services. His research interests include also ethical issues (including e.g. privacy and security) and recently the development of Responsible Research and Innovation approach both for academia and industry. Ikonen has taken part to the several ITEA and EU projects, where user involvement and ethical issues for the product or application development has been in the central role: Mimosa, Nomadic Media, Minami, Guardian Angels. Recently, Ikonen has led, and currently is leading work packages and tasks in several EU projects focusing on the dimensions of responsibility in the technological development (ETICA, GREAT, Responsible Industry, SniffPhone, PROEIPAHA, NewHorrizons). He is the co-ordinator of BODEGA project which implements RRI approach to the project work in the border control context. Mr Ikonen has been the board member of Corporate Responsibility Network FIBS (Finnish Business Society; 2014-2016) and is a member of the Ethics Committee of the Tampere region (2010 -). He is also 'Research Integrity Adviser at VTT' in relation to the activity that has started 2017 at VTT.

Luca Remotti – JIIP

Luca Alessandro Remotti is a Senior advisor in R&D and Innovation Policy. He has over 20 years' experience in Technology Evaluation, Research and Technological Development, Technology transfer, Innovation and the related policy analysis and assessment. He has a degree in Business Administration and Economics, specialising in Information Systems for Business Control (LUISS, Roma) and a specialisation in economic, financial and organisational management of innovation processes (CUOA, Vicenza). He has designed evaluation methodologies, managed technological trends studies, evaluated the impact of R&D on innovation and modelled SME company processes for the technological innovation. He has been involved in several policy support studies for the European Commission, and the development and operation of monitoring and evaluation systems. He was involved in many Science and Technology setup and evaluation projects.

Marius Kuningas – Estonian Intellectual Property and Technology Transfer Centre

Dr Marius Kuningas has been working more than 6 years as Director General in Estonian Intellectual Property and Technology Transfer Centre and Estonian Patent Information Centre. Since 2005 he has been working with different EU porgrammes from Framework Programme 5 till H2020 today. Marius has also implemented several R&D and product development projects funded by EU structural funds.
After graduating University of Tartu in the field of Public Administration with honours, Marius started to work as policy analyst in PRAXIS Centre for Policy Studies. Later he has also worked as a researcher and lecturer in Tallinn University of Technology. Marius has worked previously also in Estonian Chamber of Commerce as Deputy Director General in charge of services, including lobbying, analytical and positioning services. Marius Kuningas has MA in Public Administration and PhD in Mechanical Engineering. Besides Estonian and English, he also speaks Finnish and Russian languages.

Ronald Kleverlaan – CrowdfundingHub

Ronald is a one of the most experienced crowdfunding experts in Europe, with 10 years of experience in the field of Alternative Finance and Crowdfunding and 20 years as project leader for (research) projects. He supported the launch of dozens of crowdfunding platforms, gave 50+ crowdfunding workshops and presented on trends in Crowdfunding in Europe on international conferences.
For the last 3 years, he is part of the "Access to Risk Finance" advisory group of Horizon2020, responsible for Crowdfunding and Alternative Finance. He is also one of the drivers behind the European crowdfunding eco-system of platforms, researchers and experts. He organized meetups and workshops for over 5 years in The Netherlands and was one of the founders and for 2 years Board Member of the European Crowdfunding Network, representing ECN at international conferences. He is also member of the Advisory Board of CfPA and China Crowdfunding Society and member of the Global Alternative Finance Leadership Board of Cambridge University.

Ronald is recently appointed as director of the European Centre for Alternative Finance at Utrecht University, a research centre focussed on independent academic alternative finance research that will formally launch in 2017 with a group of post-doc and PhD researchers from Law, Entrepreneurship and Finance faculties.
Last year Ronald managed the European Crowdfunding research projects "Current State of Crowdfunding in Europe" and "Crowdfunding Crossing Borders" which were published at the "Innovative Enterprise" event with 1500 visitor of the European Commission during the Dutch Presidency. With over 1.500 downloads, 20.000+ readers and nr 1. search in Google for most countries, the reports are among the most reviewed and cited publications regarding crowdfunding in Europe.

Johan Mauritsson – Lund University

Johan Mauritsson is a professor in atomic physics and his research interests include both experimental and theoretical work on: intense laser–matter interaction; strong field physics; generation and application of attosecond pulses; control of strong field processes using multi-color laser fields (XUV-visible or visible-visible); time resolved plasmon effects on nanostructures; controlled free induction decay in the extreme ultraviolet. Johan Mauritsson obtained his qualification as Associate Professor in 2009, was awarded Excellent Teaching Practitioner (ETP) in 2014 and got the position as professor in 2017. Johan Mauritsson has a long experience of using and producing movies in teaching, for popular science and outreach. Together with **Ingrid Odlén** he has produced a number of popular science presentations. Every year in December a Christmas calender is produced with a new experiment presented each day until Christmas and Johan has been part of this production for the last six years.

Anders Ahlberg – Lund University

Anders Ahlberg has a background as researcher in Earth Science at Lund University, reconstructing high latitude extreme greenhouse climates of the past in the northern hemisphere. He thus achieved his PhD in 1994 and Associate professorship in 2004. During this time he also achieved the Excellent Teacher Practitioner status and subsequently changed career to Teaching and Learning Development, a move that eventually led to his current position as Senior Lecturer at the Center for Engineering Education at Lund University. In recent years Anders Ahlberg has developed a range of activities and investigations in support of doctoral education quality at the LU Faculty of Engineering. Currently he is therfore Study Director for doctoral education at the LU Engineering Faculty, serving some 600 PhD students and 200 senior supervisors, along with the Deans Office. Anders Ahlberg is also permanent member of the PhD Education Board of the faculty.

Tine de Pauw – EYEST - Excite Youth for Engineering, Science and Technology

Tine De Paw works at the Brussels Photonics Team at VUB, Vrije Universiteit Brussel, on outreach activities and EU-funded projects. She works on the realization of several outreach activities on photonics at the university. Nathalie is founding member and CEO of. Tine collaborates with EYESTvzw helping in the Photonics Explorer programme and in the organisation of a large variety of workshops for trainers, teachers and students. They both are actively involved in the European projects Gophoton!, Light2015 and MEDEA.

Sara Calcagnini – MUST Museo Nazionale della Scienza e della Tecnologia Leonardo Da Vinci

Sara Calcagnini is Head of the Science & Citizens Programmes at the National Museum of Science and Technology Leonardo da Vinci in Milan. She holds a BA degree in Cultural Heritage Studies, she spent a period at the Leicester University in UK. Her expertise focuses on participatory strategies used by museums and science centres for engaging adult citizens in dialogue on cutting-edge science. In the Museum, she works for the development of programmes for adult visitors based on active engagement and dialogue with science experts. She is also the project manager of many European cooperation projects on science education, citizenship and informal learning (Hypatia, Medea, Engineer, Voices, Inprofood, Nano To Touch). She published articles and contributed to books on science communication (Scuola Scienza e Società: la Scienza che interessa agli adolescenti, Donne e scienza, L'italia e il contesto internazionale, Observa, 2010; School Science Society: Making Science Relevant to Teens, Young Minds: Reaching Youth Audiences , ASTC Dimensions, April 9th 2010, Debating as an educational method to science and citizenship, Journal of Science Communication, (3), September 2007). She is a trainer of teachers and museum explainers at local and international level on science communication and debate techniques (SMEC, PILOT).
She is also trained in the field of arts and ethnography museums and in the past worked for Castello d'Albertis in Genoa, Castello di Rivoli in Turin and the Sainsbury Centre for Visual Arts in Norwich UK.

Federico De Vettori – Politecnico di Milano – Physics Department

Federico De Vettori is Research Manager and Department Manager at the Physics Department of Politecnico di Milano, since February 2013. The Physics Department has 50 experimental research laboratories, located in three different cities: Milano, Como and Lecco. Federico is in charge of: Research project management; People management; Financial management; FSign for EU projects; Operations for Research Laboratories; Safety management; Business administration; Purchase management; Performance management; Organizational analysis. Moreover Federico has over 10 years of experience in the following fields: University Laboratory Quality Management, Quality System Auditor, Senior Consultant for Scientific and Technological Spin-Off Companies; Change management projects; Business Process Reengineering; Organizational restructuring; Training and coaching.

Andreas Assion – Spectra-Physics Vienna - Femtolasers Produktions GmbH

Director, Advanced Product Development. He joined Femtolasers in January 2005 as the product manager for amplifiers. Since 2015, He has been Director of Advanced Product Development at Spectra-Physics Vienna.

Prior to joining Femtolasers, He worked with ultrafast lasers on the observation and control of quantum optical phenomena in atoms and molecules, and the development of new laser analytical methods. He earned him diploma and doctorate in the group of Prof. Gerber (Universities of Freiburg and Würzburg) studying molecular dynamical effects, including coherent control of complex molecules. After a post-doctoral position with the German Space Agency (DLR), He completed him Habilitation at the University of Kassel, in the group of Prof. Baumert. The experimental work was on quantum phenomena in weak and intense femtosecond laser fields. In addition, He produced several publications on new, minimal invasive analytical methods based on femtosecond laser-induced breakdown plasmas. With a combination of laser induced breakdown spectroscopy (LIBS) and microscopy, it was possible to spatially resolve trace elements down to the femtoliter regime in living cell membranes.

Jean-François Hergott - CEA Saclay

Dr. Jean-François Hergott is a Senior Scientist in Physics. He has 20 years' experience in laser – matter interaction and laser technologies. In 2001 he obtains a PhD degree thanks to his work on high order harmonic generation optimization and application to time resolved plasma dynamics studies using XUV interferometry techniques in CEA Saclay. After a 3 years post-doc working on an industrial project devoted to the development of a laser plasma produced EUV source for nano-lithography, he got a permanent position in CEA Saclay. He is then responsible of the operation of the PLFA kHz laser facility. According to his research on Ti:S amplified laser CEP stabilization he is one of founders of the Impulse joint laboratory associating CEA and Amplitude Technologies in 2009. Jean-Francois Hergott is a CEA expert and in charge of the R&D concerning CEP stabilization and diagnostics, pulse duration reduction within Impulse since 2011.

Nicolas Forget - Fastlite

Dr. Nicolas Forget earned his PhD on optical parametric chirped pulse amplification (OCPA) and optical parametric oscillators (OPO) in ultra-fast laser domain at Ecole Polytechnique in France. Afterwards he joined in Fastlite as a R&D scientist. He was later on in charge of pulse measurement device as a product manager between 2009 and 2011, and was further more the responsible of R&D group from 2011 till 2016. He is now the vice-principal of Faslite, and his research interests includes fs metrology, pulse shaping, nonlinear optics, acoustics in solids and ultrafast technologies.

Thomas Binhammer - Laser Quantum Venteon

Managing Director of Laser Quantum Venteon. Thomas Binhammer graduated from the University of Stuttgart, Germany, with a Diploma in Physics and went on to complete his Doctorate at the Max Planck Institute for Nuclear Physics, Heidelberg, Germany, on the production and use of ultrashort laser pulses. Thomas furthered his research at the University of Hannover, Institute of Quantum Optics as a research associate, coordinating projects in the field of ultrashort pulse lasers. In his professional practice, Thomas was head of development at Nanolayers Optical Coatings GmbH working with ultrashort pulse lasers. In 2008, he became Managing Director of Venteon Laser Technology GmbH, now Laser Quantum, and has continued to develop 'commercial firsts' in ultrashort pulse lasers. Thomas has authored 27 peer-reviewed scientific papers with more than 350 citations and his h-index is 13.

Michel Knut - TRUMPF

After achieving his PhD in laser and plasma physics at Technical University of Darmstadt, Dr. Knut Michel started to work at TRUMPF as the executive assistant to managing partner Dr. Peter Leibinger. Since 2013 he took the role of managing director of TRUMPF Scientific Lasers.

Yoann Zaouter - Amplitude Technologies

Yoann Zaouter received a PhD in Laser physics for his work on the development of ultrafast Ytterbium doped fiber amplifier for industrial, scientific and medical applications at University of Bordeaux – France. He then joined Amplitude Laser Group to serve as R&D engineer developing industrial ultrafast amplifiers. Since 2010, he heads a join R&D laboratory at Laboratoire Charles Fabry France - where he develops innovative concepts for the industrial and scientific markets. Since 2015, he took responsibility as scientific business developer.

Mathieu Paurisse - Amplitude Technologies

After a PhD in the field of multimodal ytterbium doped fiber amplifiers with Patrick Georges at the Laboratoire Charles Fabry de l'Institut d'Optique and a post-doctoral position at the Laboratoire pour l'Utilisation des Lasers Intenses (LULI) on OPCPA, Dr. Mathieu Paurisse joined Amplitude Technologies in 2012. He was first in charge of the development and alignment of the PW laser DRACO for the HZDR in Dresden, and then in 2015, he joined the R&D department of Amplitude Technologies working on the development of high contrast laser systems.

Franck Falcoz - Amplitude Technologies

Dr Franck Falcoz has received his PhD in 1996 about Cr:LISAF laser. He has worked on the development of the new generation of femtosecond laser after his PhD and has decided to join Amplitude Laser Group in 2009 after 14 years in Thales Laser as manager of the femtosecond laser division.

Dr Franck Falcoz is one of the most experimented in femtosecond lasers at Amplitude Technologies and has developed its past and new technologies. Thanks to Dr Franck Falcoz, Amplitude Technologies is now the leader company in high intensity femtosecond laser.

Dr Franck Falcoz has for example actively contributed to the definition of ELI-ALPS laser solution: 2PW@10Hz with ultrashort pulse duration (shorter than 17fs) and high contrast (order 12) thanks to its OPCPA frond end. He has also a strong expertise on nanosecond laser that are commonly used for TiSa or OPCPA pumping.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 64178.