

Professor Emmanuel Tsesmelis  
*BSc (Hons) MSc PhD FAIP*  
*Principal Physicist*  
*Head of Associate and Non-Member State*  
*Relations, CERN*  
*CH-1211 Geneva 23, Switzerland*  
*Emmanuel.Tsesmelis@cern.ch*



## Introduction

I am an **experimental particle physicist** with a career spanning **scientific research, management, academic teaching, international relations and science communication** at a large inter-governmental research organization and at several international universities. I am a **Principal Physicist and Head of Associate Member and Non-Member State Relations at CERN** and a **Visiting Professor in Physics at the University of Oxford**. I am an elected **Fellow of the Australian Institute of Physics (FAIP)**, an **Honorary Member of the Hellenic Physical Society** and a supernumerary member of **Jesus College, Oxford**. I have also served as member on the **National Council for Research and Innovation** of Greece. My global experience and outlook are demonstrated by my **multi-cultural background** - I have studied and worked for extended periods of time in Australia, France, Germany, Greece, New Zealand, Singapore, Switzerland and the United Kingdom, as well as having undertaken studies at an American high school.

## Education

After completion of primary school studies in Melbourne, Australia, I travelled to Athens, Greece, and studied at the American Community Schools, from where I received the **International Baccalaureate Diploma** and the **American High School Diploma** after the completion of a broad range of studies in the sciences and humanities. Following my high school studies in Athens, I entered the University of Melbourne to study physics, mathematics, statistics and information technology.

Upon completion of the degrees of **Bachelor of Science (First Class Honours)** and **Master of Science** in Melbourne, I entered the University of Dortmund, Germany and read for the degree of **Doktor der Naturwissenschaften** (Dr. rer. nat.) in experimental particle physics, which I completed with the highest grade of "Excellent". Amongst the many honours that I have received, the dearest to me will remain the **Queen Elizabeth II Silver Jubilee Trust for Young Australians**, awarded for the transfer of knowledge and technology developed at CERN to industry and medicine.

## Scientific Research

Initially, my scientific research focused on **experimental particle physics** and the study of the fundamental constituents of matter and for the search for new particles and phenomena, while in subsequent years my work has been directed to the **accelerator science** required to carry out the experimental particle physics research. I have also served as the **Physics Co-ordinator** for the overall experimental programmes at the SPS and PS accelerator complexes at CERN.

My early research work concentrated on the search for the **top quark and charged Higgs boson** at the CERN SPS Collider as a member of the **UA2 Collaboration**. After extensive Monte Carlo simulations and together with a collaborator from the USA, we convinced the UA2 Collaboration of the feasibility of the proposal and of the necessary modifications to the particle detector. The data collected during the final UA2 run and the subsequent analysis provided the most stringent limits at the time of the mass of these fundamental particles.

Subsequently, my involvement with the **NOMAD Collaboration** at the CERN SPS Neutrino Facility concentrated on the search for **neutrino oscillations**  $\nu_\mu \rightarrow \nu_\tau$  and  $\nu_\mu \rightarrow \nu_e$ . I have been jointly responsible for the **Muon Detector**, a detector that was used for the identification of muons resulting from  $\nu_\mu$  charged-current interactions in the neutrino target mass, and also appointed **principal physicist** for the prediction and experimental measurement of the **neutrino beam properties** such as its flux and energy profile. In parallel, together with collaborators from Italy, I proposed a new experiment to measure the production cross-sections of protons on various targets at the CERN SPS fixed-target facilities. The proposal was accepted under the name of **NA56/SPY** and provided measurements that have served as input to the understanding of cosmic-ray interactions and in neutrino production mechanisms at laboratory facilities.

My most recent scientific work has been as member of the **CMS Collaboration**, one of the two experiments at the LHC that in 2012 announced the discovery of the **Higgs boson**. In this capacity, I ensured the **LHC accelerator - CMS experiment interface** with the aim of optimizing the accelerator performance to meet the requirements of the CMS experimental programme.

Subsequently, I worked on the development of a possible next generation collider facility – an electron-positron linear collider based on the Compact Linear Collider (CLIC) technology - and I have been charged with the interface of the high-energy and high-intensity accelerator with the particle detectors, chairing the **CLIC Machine-Detector Interface Working Group** in the process. Within this context, I was also working closely with the corresponding efforts of the International Linear Collider (ILC) in an effort to develop synergies between CLIC and the ILC.

I have carried out my work in close collaboration with experimental, theoretical and accelerator physicists and the scientific research is of direct relevance to particle cosmology and astrophysics. As a result of my research, I have co-authored a **large number of scientific papers** in refereed journals together with international collaborators.

## Management and Administration

As one of the CERN's Principal Physicists, I have served as member of the **Directorate Office**, which played a **key advisory and support role** in the Director-General's and senior management team's contacts with all levels of the Organization's hierarchy. The Directorate Office supported the senior management team by providing professional and administrative support, by co-ordinating Directorate-wide positions and by providing a source of policy and strategy counsel. Moreover, one of my responsibilities within the CERN Directorate Office was the organization and management of **international and CERN-wide conferences and seminars** mandated by the Director-General.

My primary management experience has been as **Group Leader and Head of the LHC Experimental Areas**, for which I have directed a unit of more than 120 scientists, technicians, industrial support contractors and administrative support staff, including a number of visiting scientific associates, for the purpose of managing and co-ordinating the interaction and liaison among the many international scientific and industrial partners realizing the LHC Project. I have been responsible for the management of budgets for personnel and material concerning the LHC Project amounting to more than 20 MCHF and for a multi-million Swiss franc annual operation budget. This position has given me considerable experience in **managing** a large entity, in providing **strategic leadership** for the LHC Project in terms of **project management and planning** and in gaining familiarity with CERN's Administration, particularly the Human Resources Department and Finance Department, as well as the engineering, accelerator, information technology and physics sectors.

In my various CERN roles, and principally in my capacity as **Chairperson of the CERN Senior Staff Advisory Committee (*The Nine*)**, I have developed close relationships with many parts of the laboratory, including the Administration, and particularly the Human Resources Department, the Finance Department and the Legal Service, as well as with the physics, engineering, accelerator and technical sectors. As a member of the **CERN Working Group on Administrative Circulars** and as **President of the Joint Appeals Board**, I have played an important role in developing personnel policy and in treating sensitive individual cases involving personnel at all levels of the Organization. Furthermore, as a member of the **CERN Contract Review Board** from the Director-General's Unit, I am contributing to the long-term appointment of CERN Staff Members on indefinite contracts. Moreover, I have served on a number of CERN's resource and scientific committees, such as the **LHC experiments Committee (LHCC)**, which function as the laboratory's top-level review and monitoring instruments of its scientific programmes, and within this role served as Secretary to scientific committees and also provided advice to many of **CERN's Directors of Research**. I have also served as **Scientific Assistant** of the Preparatory Group and of the European Strategy Secretariat for the **update of the European Strategy for Particle Physics** completed in 2013.

## Academic Career

I have held a number of academic positions at various universities around the world. Currently, I am a **Visiting Professor in Physics in the Department of Physics at the University of Oxford**, United Kingdom, where I am lecturing in accelerator science and supervising research projects as part of the Doctor of Philosophy programme at the John Adams Institute for Accelerator Science (JAI). I have also held an appointment as a **Visiting Erskine Fellow at the University of Canterbury**, New Zealand, in 2012 - a fellowship awarded to distinguished scholars for undertaking teaching, research and outreach to society. Moreover, I have supervised the work and provided lectures for undergraduate and graduate students from the University of Athens, National Technical University of Athens, University of Dortmund, Ecole Polytechnique Fédérale de Lausanne (EPFL), University of Melbourne, University of Montpellier, and the University of Sydney. I have been principal lecturer in physics at the **Nanyang Technological University**, Singapore, **Australian School of Accelerator Physics**, held at the Australian Synchrotron, Melbourne, at the **BATAN-CERN-ICTP Accelerator School**, in Yogyakarta, Indonesia, at the **CERN-Philippines Particle Physics School** in Manila and at the **CERN-Thailand School** in Bangkok.

Another aspect that I have played a leading role in has been the development of extensive education and training programmes. I currently head the **CERN Summer Student Programme** for students and other young scientists from the laboratory's Non-Member States, using CERN funding complemented by funds from external institutes, collaborations of the experiments, private donors and foundations. This programme has grown in the past years to the point where during the summer of 2020 about 158 students and young scientists from CERN Non-Member States took part for education and training purposes. Furthermore, I have extended the **CERN High School Teacher (HST) Programme** so that it can be given in the Greek language. The HST programme provides education and training in physics and related technologies for teachers from high schools from around the world, and in addition to English, the courses are now given in a number of other languages. I have also coordinated the **High School Students Internship Programme (HSSIP)** for students participating from Greece, for which the high-school students are invited to CERN for two weeks to gain practical experience in science, technology, and innovation. I have also helped develop capacity-building programmes for students and teachers at the John Adams Institute for Accelerator Science. This includes the **Oxford University Internship Programme (to CERN)**, which provides the selected advanced undergraduate students with the opportunity to attend the CERN Summer Student Programme lectures and work on an accelerator-based project, and the **Accelerator and Particle Physics Education at A-Level (APPEAL)**, which is a one-day annual school providing A-level teachers an opportunity to learn about the phenomena and scientific challenges which connect astrophysics, particle physics and the physics of particle accelerators.

## International Relations

In my capacity as **Head of Associate Member and Non-Member State Relations** and **Advisor to the CERN Director-General on Relations with Non-Member States**, I am providing **strategic advice** to the CERN Director-General and to the Director of International Relations, and I have been responsible for bringing into collaboration with CERN scientists from countries that are in the process of developing their particle physics communities. Within this capacity, I have been actively involved in discussions and negotiations with Prime Ministers, Ministers, Ambassadors, government officials, funding agencies and physicists world-wide in view of concluding Associate Membership, International Co-operation Agreements, Protocols and other agreements, together with the necessary funding to support the collaborations. I have been working closely with countries particularly in **Europe south-east Asia and Oceania** and have developed a strong network of partnerships. Within this responsibility, I am a scientific organizer and speaker at the regular Institute of Advanced Studies-CERN Workshops and Schools on Particle Physics & Cosmology held in Singapore, which bring together scientists from south-east Asia and Oceania with those of the international scientific community in an effort to foster the development of science in the wider region. In October 2009 I have been honoured by **Her Royal Highness Princess Maha Chakri Sirindhorn of Thailand** as a Special Lecturer at the 35th Science and Technology Congress of Thailand. Finally, through my work on international relations I have had the honour to have been invited to private audiences with the **Ecumenical Patriarch Bartholomew I** and with the **President of Greece H.E. Karolos Papoulias**.

As part of the organizational structure for the Feasibility Study of the Future Circular Collider (FCC) at CERN, and in line with the recommendations of the European Strategy for Particle Physics updated by the CERN Council in 2020, I have initiated the **FCC Global Collaboration**

**Working Group**, whose aim is to develop the global collaboration and a long-term commitment to the construction and operations by all participating parties by initiating discussions with potential major partners as part of the feasibility study for such a project being hosted at CERN.

I have also had the opportunity to become familiar with the scientific communities of several countries through visits and meetings and through my membership of **international scientific advisory committees and boards** involving Canada, Cyprus, Estonia, Greece, Israel, South Korea, Pakistan, Serbia, and Turkey. In the case of Greece, I have been appointed to the Ministry of Education's **Hellenic Quality Assurance Agency of Higher Education** and have participated in the external reviews of the country's university physics departments.

## Science Communication and Outreach

My science communication and outreach experience include many seminars and presentations on particle physics in several countries and I regularly make presentations on CERN to visiting **VVIPs, VIPs and to government officials**, including Ministers, on their visits to CERN and while I am representing CERN on duty trips. The CERN Press Office contacts me for advice and I have provided **many contributions to print, radio and television media**, including to media representatives from Australia, Cyprus, France, Greece, Japan and South Africa, for example Recently, I have contributed to the Australian Broadcasting Corporation's *Catalyst* programme entitled *Smashing Atoms in CERN* and to several documentaries on CERN produced for Greek national television. Finally, together with collaborators at the John Adams Institute for Accelerator Science at the University of Oxford, our submitted proposals in 2008 to the Science and Technology Facilities Council (STFC) and the Royal Society in the United Kingdom for outreach activities have been successful and they are promoting and explaining frontier research science and technology to the public. A highlight of this effort has been the successful participation following a competitive selection at the **Royal Society's Summer Science Exhibition 2009**.

# *Curriculum Vitae*

Professor Emmanuel Tsesmelis

---

# Personal Information

---

Surname	Tsesmelis
Name	Emmanuel
Date of Birth	29 October 1966
Place of Birth	Melbourne, Australia

# Education

---

Primary	January 1972 – December 1978	Brunswick Central, Melbourne, Australia
Secondary	January 1979 – June 1984	American Community Schools of Athens, Greece
University	March 1985 – April 1991 June 1990 – July 1992	University of Melbourne, Australia University of Dortmund, Germany

# Examinations and Degrees

---

1984	International Baccalaureate Diploma American Community Schools of Athens
1984	American High School Diploma American Community Schools of Athens
1989	Bachelor of Science (Honours), University of Melbourne First Class Honours – Physics, Mathematics, Statistics & Information Technology
1991	Master of Science, University of Melbourne Particle Physics
1992	<i>Doktor der Naturwissenschaften</i> (Dr. rer. nat.), University of Dortmund Excellent - Particle Physics

# Languages

---

English, French, German, Greek, Spanish

# Appointments and Positions

---

May – December 1989	Visiting Scientist at CERN, Geneva
June 1990 – July 1992	Scientific Assistant, University of Dortmund, Germany & Visiting Scientist at CERN, Geneva
August 1992 – July 1993:	<i>Graduiertenkolleg</i> Postdoctoral Scholarship, University of Dortmund & Visiting Scientist at CERN, Geneva
August 1993 – July 1995	CERN Research Fellow, Geneva
August 1995 – <b>now</b>	CERN Staff Member, Geneva
October 2007 – August 2009	Distinguished Visitor John Adams Institute for Accelerator Science University of Oxford, United Kingdom
September 2009 – <b>now</b>	Visiting Professor in Physics Department of Physics University of Oxford, United Kingdom
July – August 2012	Visiting Erskine Fellow Department of Physics University of Canterbury, Christchurch

# Awards and Distinctions

---

1987	Summer Student Scholarship, Monash University, Melbourne
1987	Vacation Studentship, Gas & Fuel Corporation of Victoria, Melbourne
1988	Summer Student Scholarship, Victorian Department of Industry, Technology & Resources, Melbourne
1988	Renton Fund Bursary, University of Melbourne
1988	Summer Student Scholarship, Monash University, Melbourne
1989	Summer Student Scholarship, Materials Research Laboratories, Australian Department of Defence, Melbourne
1989	Commonwealth Postgraduate Research Award, University of Melbourne
1989	CRA Postgraduate Travelling Scholarship (to CERN)
1989	Queen Elizabeth II Silver Jubilee Trust for Young Australians
1989	Higher Education Contribution Scheme Postgraduate Scholarship (HECS), University of Melbourne
1989	Australian Postgraduate Research Award
1992	<i>Graduiertenkolleg</i> Postdoctoral Scholarship, University of Dortmund
1998 – <b>now</b>	Awards for Particularly Meritorious Performance, CERN
2000	Admission to Phi Beta Delta Honor Society, Washington D.C.
2013	Promotion to <i>Haut fonctionnaire du CERN à Genève</i> (Diplomatic Status)

# Membership of Scientific Societies

---

1990 – <b>now</b>	German Physical Society ( <i>Deutsche Physikalische Gesellschaft</i> )
1992 – 2010	Member of Australian Institute of Physics (MAIP)
2001 – <b>now</b>	Institute of Physics (London)
2007 – <b>now</b>	Hellenic Society for the Study of High Energy Physics (HSSHEP)
2010 – <b>now</b>	Fellow of the Australian Institute of Physics (FAIP)
2014 – <b>now</b>	Honorary Member of the Hellenic Physical Society
2015 – <b>now</b>	Honorary Member of the Balkan Environmental Association

# Membership of Science Boards

---

2010 – 2013	Member of Hellenic Quality Assurance Agency of Higher Education, Greece
2011 – <b>now</b>	Member of European Institute for Sciences and their Applications, Greece
2012 – 2018	Chairman of Scientific Advisory Board, Center for Research & Training on Sustainability, Cyprus
2013 – <b>now</b>	Scientific Secretary, European Large National Laboratory Directors Group (LDG)
2016 – 2019	Member, National Council for Research and Innovation, Greece
2018 – <b>now</b>	Delegate of CERN, Council of SESAME
2020 – <b>now</b>	Member, International Advisory Committee for the African Strategy for Fundamental and Applied Physics

# Academic Teaching

---

1989	Physics and Mathematics Tutor International House College, University of Melbourne
1989	Physics Tutor School of Physics, University of Melbourne
1988 – 1990	Physics Laboratories Demonstrator School of Physics, University of Melbourne
1990 – 1992	Physics Laboratories Demonstrator Department of Physics, University of Dortmund
1993	<i>Physics at the Large Hadron Collider – Search for the Higgs</i> Graduate Lecture Series, University of Dortmund
1991 – 1993	Member of Examination Committee for Final Year Undergraduates ( <i>Diplom</i> Students) University of Dortmund
1996	Lecturer - <i>Neutrino Oscillation Experiments</i> Graduate Lecture Series, University of Dortmund
1997	CERN Summer Student Discussion Session Leader
2002	Lecturer - <i>The LHC Machine-Experiment Interface</i> CERN Academic Training
2005	Lecturer - <i>The LHC Experimental Areas</i> CERN Academic Training
2007 – <b>now</b>	Graduate Programme Lecturer & Supervisor - Particle and Accelerator Science John Adams Institute for Accelerator Science University of Oxford
2012	Head Lecturer – Introductory Postgraduate Particle Physics Course Visiting Erskine Fellowship University of Canterbury, Christchurch
2012	Head Lecturer – Introductory Accelerator Physics Course Australian School of Accelerator Physics 2012 (ACAS2012) Australian Synchrotron, Melbourne
2013	Head Lecturer – Introductory Accelerator Physics Course BATAN-CERN-ICTP Accelerator School BATAN, Yogyakarta, Indonesia
2018	Lecturer - <i>Future Accelerators at the High Energy Frontier</i> CERN Academic Training

# Science Communication & Outreach

---

1992-1993	Current Questions in High Energy Physics Seminar Forum, University of Dortmund
1998	Open Day Neutrino Physics Exhibition Co-ordinator, CERN
2000 - <b>now</b>	VVIP and VIP Visits to CERN
2001	Particle Physics and the LHC, EST Division General Staff Meeting, CERN
2001	Science in the Pub, Australian Radio Broadcast
2001 - 2008	EST Division / TS Department Technical Seminar Convener, CERN
2003	Travelling with the Future – Documentary on CERN ERT Greek National Television Broadcast
2003	Athens Universities Recruitment Outreach Project
2007	Pandora’s Box – Documentary on CERN ALPHA Greek Television Broadcast
2007	Smashing Atoms in CERN - Documentary on CERN Australian Broadcasting Corporation
2008	Documentary on CERN, France 24
2008	Documentary on CERN, Japan TV
2008	Interviews for Australian, Greek and South African Media - LHC First Beam
2008 – 2010	<i>Science in Society</i> , Science and Technology Facilities Council, United Kingdom
2009	<i>Summer Science Exhibition 2009</i> , Royal Society, United Kingdom
2010 – <b>now</b>	APPEAL – High School Teacher Programme University of Oxford, United Kingdom
2011 – <b>now</b>	Public Talks at CERN Travelling Exhibitions in Greece
2012	Documentary on CERN, NET Greek National Television Broadcast

- 2012 Public Talks at New Zealand Venues (Royal Society of New Zealand, Avonside Girls' High School, Christchurch Boys' High School, Ilam Primary School)
- 2012 High School Teacher Programmes, Auckland and Christchurch
- 2014 Public Talks in CERN Member and Non-Member States – CERN 60<sup>th</sup> Anniversary
- 2018 Documentary on CERN, ERT Greek National Television Broadcast

# Functions at CERN

---

1990 – 1993	Joint Lead Physicist – UA2 Search for Charged Higgs from Top Quark Decay
1993 – 1998	Joint Co-ordinator -NOMAD Experiment Muon Chamber Detector
1994 – 1998	Chairperson of NOMAD Experiment Neutrino Beam Study Group
1995	NOMAD Experiment Run Co-ordinator
1996 – 1998	Contactperson for NA56 (SPY) Collaboration
1997 – 1998	SPS & PS Physics Co-ordinator
1998 –2008	Co-ordinator – CMS Experiment Interface with the LHC Accelerator
1998 – 2004	CMS Experimental Area Section Leader
2003 – 2004	Deputy Group Leader & Deputy Head of LHC Experimental Areas
2004 – 2008	President of Joint Appeals Board
2004 – <b>now</b>	Advisor to CERN Directors-General for Relations with Non-Member States
2005 – 2008	Group Leader & Head of LHC Experimental Areas
2007 – <b>now</b>	Head of Non-Member-State Summer Student Programme
2008 – 2009	Chairperson of CLIC Machine-Detector Interface Working Group
2008 – <b>now</b>	Joint Programme Co-ordinator of Greek High School Teacher Programme
2009 – 2015	Member of Directorate Office
2013 – 2015	Deputy Head of International Relations
2016 – <b>now</b>	Head of Associate and Non-Member State Relations
2021 – <b>now</b>	Chairperson of FCC Global Collaboration Working Group

# Membership of CERN Committees

---

1997 – 1999	Member and Scientific Secretary of SPS & PS Scientific Committee (SPSC)
1997 – 2016	Member and Scientific Secretary of Large Hadron Collider Committee (LHCC)
1997 - 1998 2009 - 2015	Member of Research Board
1997 – 1998	Member of CERN – INFN Gran Sasso Neutrino Committee
1997 – 1998	Member of Energy Management Panel
1998 – 2008	Member of Management Board of the CMS Experiment
2001 – 2008	Chairperson of Radiation Safety Officers Committee
2001 – <b>now</b>	Member of LHC Resources Review Boards (RRBs)
2002 – 2004	Member of Sub-group on Administrative Circulars
2003 – 2015	Member of RRB Scrutiny Group on Maintenance and Operation
2005 – 2008	Chairperson of LHC Experiment Machine Interface Committee (LEMIC)
2006 – 2009	Member of Senior Staff Advisory Committee ( <i>The Nine</i> ) and Chairperson (2008-2009)
2006 – 2008	Member of Joint CERN - Estonia Committee
2007 – <b>now</b>	Member and Scientific Secretary of Joint CERN - Cyprus Committee
2007 – <b>now</b>	Chair of Joint CERN - Pakistan Committee
2008 – <b>now</b>	Member of CERN – Greece Working Group
2009 – 2019	Member of Recognized Experiment Committee (REC)
2009 – 2015	Member of CERN Contract Review Board (CCRB)
2012 – 2015	Chairperson of Scientific Advisory Board, CERN-HERMES Network
2012 – 2014	Member of Joint CERN - Israel Committee
2012 – 2019	Member of Joint CERN - Serbia Committee
2012 – 2013	Scientific Assistant of Preparatory Group and European Strategy Secretariat Update of the European Strategy for Particle Physics, CERN Council
2016 – <b>now</b>	Chair of Joint CERN - Canada (TRIUMF) Committee
2016 – <b>now</b>	Chair of Joint CERN - Republic of Korea Committee
2016 – <b>now</b>	Chair of Joint CERN - Turkey Committee

## Schools, Conferences and Seminars (Abridged)

---

January 1988	<i>Creep of Partially-stabilised Zirconia</i> Invited talk – Victorian Department of Industry, Technology and Resources, Melbourne, Australia
November 1988	<i>Position-sensitive Read-out for a Neutrino Mass Experiment</i> Invited talk – University of Melbourne, Australia
January 1989	<i>Position-sensitive Read-out for a Neutrino Mass Experiment</i> Invited talk – Materials Research Laboratory, Australian Department of Defence, Melbourne, Australia
February 1989	Earth Sciences Summer School, Australian National University, Canberra, Australia
July 1989	Summer Student Lecture Programme, CERN
July 1989	14th International Conference on Neutrino Physics and Astrophysics, CERN
September 2000	XX International Symposium on Multiparticle Dynamics Gut Holmecke (near Dortmund), Germany
March 1991	<i>Search for Charged Higgs from Top Quark Decay in UA2</i> Invited talk – High Energy Physics Annual Meeting of German Physical Society, Aachen, Germany
September 1991	1st Balkan School of Physics, Istanbul, Turkey
January 1992	<i>Search for Charged Higgs from Top Quark Decay in UA2</i> Invited talk – University of Dortmund, Germany
March 1992	<i>Search for Charged Higgs from Top Quark Decay in UA2</i> Invited talk – XXVIIth Rencontres de Moriond, Les Arcs, France
August 1992	<i>Search for Charged Higgs from Top Quark Decay in UA2</i> Invited talk – University of Melbourne, Australia
September 1992	Workshop on Ten Years of SUSY Confronting Experiment, CERN
December 1992	<i>Charged Higgs Bosons at Hadron Colliders</i> Invited talk – Workshop on Electroweak Symmetry Breaking at Colliding Beam, Facilities, Santa Cruz, USA
December 1992	<i>Charged Higgs Bosons at Hadron Colliders</i> Invited talk – Superconducting Super Collider Laboratory (SSCL) Dallas, USA
June 1993	Physics in Collision, Heidelberg, Germany

- March 1994      *Search For Neutrino Oscillations at the CERN SPS*  
Invited talk – XXII INS International Symposium on Physics with High Energy, Colliders, Tokyo, Japan
- May 1994      *Search For Neutrino Oscillations at the CERN SPS*  
Invited talk – Rutherford-Appleton Laboratory, Didcot, United Kingdom
- May 1994      *Search For Neutrino Oscillations at the CERN SPS*  
Invited talk – XVII Kazimierz Meeting on Elementary Particle Physics, Kazimierz, Poland
- October 1994    *Search For Neutrino Oscillations at the CERN SPS – the First Year of Running*  
Invited talk – University of Birmingham, United Kingdom
- October 1994    *Search For Neutrino Oscillations at the CERN SPS – the First Year of Running*  
Invited talk – University of Oxford, United Kingdom
- December 1994   *Review of Recent Results in Neutrino Physics*  
Invited talk – University of Dortmund, Germany
- November 1995   *Workshop on Long Baseline Neutrino Oscillation Experiments*  
Gran Sasso, Italy
- November 1995   *The NOMAD Experiment at the SPS*  
Invited talk – Second Workshop on the Dark Side of the Universe : Experimental Efforts and Theoretical Framework, Roma, Italy
- June 1996      XVII International Conference on Neutrino Physics and Astrophysics  
Helsinki, Finland
- November 1996   *Future Possibilities for Neutrino Physics at CERN*  
Invited talk – Topical Workshop on Neutrino Physics, Adelaide, Australia
- December 1997   *The CERN Neutrino Programme – Present and Future*  
Invited talk - KEK Laboratory, Tsukuba, Japan
- December 1997   *The CERN Neutrino Programme – Present and Future*  
Invited talk – Kamioka Laboratory for Cosmic Ray Research, Kamioka, Japan
- September 1998   *The CERN Neutrino Programme – Present and Future*  
Invited talk – Fermi National Accelerator Laboratory, Batavia, USA
- December 1998   *The CERN Neutrino Beam to Gran Sasso*  
Invited talk – University of Geneva, Switzerland
- July 1999      European Physical Society – High Energy Physics Conference  
Tampere, Finland
- July 2000      *The Large Hadron Collider at CERN*  
Invited talk – University of Melbourne, Australia

January 2001	<i>The Large Hadron Collider at CERN</i> Invited talk – University of Dortmund, Germany
July 2001	European Physical Society – High Energy Physics Conference Budapest, Hungary
September 2002	<i>LHC Machine and Experiment Interface Issues</i> Invited talk – 8th Workshop on Electronics for the LHC Experiments, Colmar, France
July 2003	European Physical Society – High Energy Physics Conference Aachen, Germany
June 2004	<i>The LHC Programme at CERN</i> Member of Organising Committee and Invited talk - Australia – New Zealand Semiconductor Instrumentation Workshop Wellington, New Zealand
November 2004	<i>The LHC Programme at CERN</i> Invited talk – University of Iceland
June 2006	European Particle Accelerator Conference Edinburgh, United Kingdom
October 2006	<i>The LHC Programme at CERN</i> Invited talk – AUSHEP06 Conference, Christchurch, New Zealand
October 2006	<i>The LHC Programme at CERN</i> Invited talk – University of Melbourne, Australia
November 2007	<i>CERN and the Hunt for Particles and Forces</i> Member of Organising Committee and Keynote Address - UAE – CERN Conference on High Energy Physics, Al Ain, United Arab Emirates
March 2008	<i>Commissioning the LHC Accelerator and its Physics Programme</i> Invited talk – University of Oxford, United Kingdom
April 2008	<i>The LHC and Future Accelerator Projects at CERN</i> Invited talk – Australian Synchrotron, Melbourne, Australia
June 2008	<i>Commissioning the LHC Accelerator and its Physics Programme</i> Invited talk – Rutherford-Appleton Laboratory, Didcot, United Kingdom
June 2008	<i>Commissioning the LHC Accelerator and its Physics Programme &amp; Future Accelerator Projects at CERN</i> Invited talks – Cockcroft Institute, Warrington, United Kingdom
August 2008	<i>Commissioning the LHC Accelerator and its Physics Programme</i> Invited talk – University of Sydney, Australia

- September 2008 *Commissioning the LHC Accelerator and its Physics Programme*  
Topical Workshop on Electronics for Particle Physics (TWEPP08)  
Invited Talk - Naxos, Greece
- March 2009 *The Status of the LHC and Future Projects at CERN*  
Invited Talk – University of Oxford, United Kingdom
- March 2009 *The Status of the LHC and Future Projects at CERN*  
Invited talk – Rutherford Appleton Laboratory, United Kingdom
- March 2009 *CERN and its Role in Fundamental Research and in Technology*  
Invited Keynote Talk – Aristotle University of Thessaloniki, Greece
- September 2009 *CLIC – The Compact Linear Collider & sLHC – The LHC Upgrade*  
9<sup>th</sup> Corfu Summer Institute on Elementary Particles and Gravity  
Invited Talks, - Corfu, Greece
- October 2009 *CERN and the Future of Particle Physics*  
The 35<sup>th</sup> Science and Technology Congress of Thailand  
Special Plenary Lecture - Chonburi, Thailand
- October 2009 *CERN and its Physics Programmes*  
Invited Talk - Mahidol University, Thailand
- October 2009 *CERN and its Physics Programmes*  
Invited Talk – Australian Nuclear Science & Technology Organization
- October 2009 *CERN and its Physics Programmes*  
Invited Talk - Monash University, Australia
- January 2010 *CERN and its Physics Programmes*  
Invited Talk – National University of Singapore
- March 2010 *Future Projects at CERN*  
Invited Talk - Hellenic Society for the Study of High Energy Physics,  
Thessaloniki, Greece
- May 2010 *An Introduction to Accelerator Physics*  
Invited Lecturer at the 1<sup>st</sup> CERN-Thailand School of Physics,  
Chulalongkorn University, Bangkok
- August 2010 *CERN – Gateway to Collaboration and Innovation*  
Invited Talk - 1st African School of Physics, Stellenbosch, South Africa
- September 2010 *Future Projects at CERN*  
Invited Talk - Corfu Summer Institute, Corfu
- November 2010 *CERN and its Particle Physics Programme*  
Invited Public Talk – University of Auckland
- April 2011 *CERN and its Future Accelerator Projects*  
Invited Talk, Annual Meeting of the Hellenic High-Energy Physics Society,  
Patras

January 2012	<i>Particle Detectors and Grid Computing</i> Invited Lecturer - 1st IAS School on Particle Physics, Singapore
April 2012	<i>Particle Detectors and Grid Computing</i> Invited Lecturer – 2 <sup>nd</sup> Thailand School of Particle Physics, Nakhon Ratchisima
June 2012	<i>CERN and the High Energy Frontier</i> Invited Talk - International Conference on New Frontiers in Physics, Kolymbari, Greece
June 2012	<i>CERN and its Particle Physics Programmes</i> Invited Seminar - University of Indonesia, Jakarta
August 2012	<i>CERN, Particle Physics and the Hunt for the Higgs Boson</i> Invited Seminar, National University of Singapore
September 2012	<i>The Upgrade of the LHC</i> Invited Talk - Corfu Summer Institute, Corfu, Greece
October 2012	<i>CERN – Science without Boundaries</i> Invited Talk - 1 <sup>st</sup> EPS International Conference on Physics for Development, Brussels
July 2012	<i>CERN, Particle Physics and the Hunt for the Higgs Boson</i> Invited Talk, University of Auckland, New Zealand
August 2012	<i>CERN, Particle Physics and the Hunt for the Higgs Boson</i> Invited Talk, University of Otago, New Zealand
August 2012	<i>CERN, Particle Physics and the Hunt for the Higgs Boson</i> Invited Talk, Christchurch Hospital, New Zealand
December 2012	<i>CERN, Particle Physics and the Hunt for the Higgs Boson</i> Invited Talk – The 8th Asian Meeting on Ferroelectrics, Pattaya
March 2013	<i>The LHC and Beyond</i> Invited Talk – European Spallation Source, Lund
March 2013	<i>Application of Particle Accelerators</i> Invited Talk – 1 <sup>st</sup> IAS-CERN Workshop on Particle Physics & Cosmology, Singapore
March 2013	<i>CERN, Particle Physics and the Hunt for the Higgs Boson</i> Invited Public Lecture – University of Malaya, Kuala Lumpur
April 2013	<i>CERN, Particle Physics and the Hunt for the Higgs Boson</i> Invited Public Lectures, Samos, Greece
September 2013	<i>CERN and the High Energy Frontier</i> Invited Talk - Corfu Summer Institute, Corfu, Greece
September 2013	<i>CERN and the High Energy Frontier</i> Invited Talk - International Conference on New Frontiers in Physics, Kolymbari, Greece

- September 2013 *CERN, Particle Physics and the Hunt for the Higgs Boson*  
Invited Public Lecture, Aristotle University of Thessaloniki, Greece
- October 2013 *CERN – A Gateway to Science and Technology*  
Invited Public Lecture – University College Dublin, Ireland
- November 2013 *CERN – A Gateway to Science and Technology*  
Invited Lecture – University of the Peloponnese, Tripoli, Greece
- February 2014 *Applications of Particle Accelerators*  
Invited Talk – 1<sup>st</sup> Institute of Advanced Studies-CERN Novice Workshop  
Nanyang Technological University, Singapore
- March 2014 *CERN – A Gateway to Science and Technology*  
Invited Talk – International Conference: In and Out of the Lab, Science and  
Technology in the Public Sphere, Aristotle University of Thessaloniki, Greece
- March 2014 *The Discovery of the Higgs Boson*  
Invited Public Seminar – Stavros Niarchos Foundation, Athens, Greece
- April 2014 *CERN and Accelerators*  
Invited Lecture – 1<sup>st</sup> Philippines-CERN School, National Institute of Physics,  
Manila, Philippines
- April 2014 *CERN – A Gateway to Science and Technology*  
Invited Talk – Texas A&M University, Doha, Qatar
- May 2014 *CERN – A Gateway to Science and Technology*  
Invited Public Lecture – Eugenides Foundation, Athens, Greece
- May 2014 *Introduction to Accelerators*  
Invited Lecture – University of Patras, Greece
- May 2014 *CERN – A Gateway to Science and Technology*  
Invited Public Lecture – Municipality of Notiou Pelion, Greece
- May 2014 *CERN – A Gateway to Science and Technology*  
Invited Public Lecture – Municipality of Naxos, Greece
- July 2014 *CERN – A Gateway to Science and Technology*  
Invited Talk – South African Institute of Physics Congress, University of  
Johannesburg, South Africa
- September 2014 *CERN – A Gateway to Science and Technology*  
Invited Public Talk – Scientific Club of CPN, Belgrade, Serbia
- October 2014 *CERN – A Gateway to Science and Technology*  
Invited Public Talk – University of Shkodra, Shkodra, Albania
- October 2014 *CERN and 60 Years of Discovery Science*  
Invited Talk – International Conference on Theology and Modern Science,  
Thessaloniki, Greece

- October 2014 *CERN – A Gateway to Science and Technology*  
Invited Public Seminar – National Library of Greece, Athens, Greece
- October 2014 *CERN and 60 Years of Discovery Science*  
Invited Talk – International Conference on Aristotle and Contemporary Physics
- December 2014 *CERN – A Gateway to Science and Technology*  
Invited Talk – University of Montenegro, Podgorica, Montenegro
- December 2014 *CERN – A Gateway to Science and Technology*  
Invited Lecturer – 1<sup>st</sup> Bangladesh-CERN School in Particle Physics, University of Dhaka, Bangladesh
- February 2015 *Introduction to Particle Detectors*  
Invited Lecturer – 2<sup>nd</sup> IAS School on Particle Physics, Nanyang Technological University, Singapore
- February 2015 *CERN – A Gateway to Science and Technology*  
Invited Talk - Universiti Brunei Darussalam, Brunei
- February 2015 *CERN – A Gateway to Science and Technology*  
Invited Talk – Comenius University, Bratislava, Slovakia
- March 2015 *CERN and 60 Years of Discovery Science*  
Invited Talk – Municipality of Argos Orestiko, Argos Orestiko, Greece
- May 2015 *CERN – A Gateway to Science and Technology*  
Invited Talk - International U.A.B. - B.EN.A Conference, Environmental Engineering & Sustainable Development, Alba Iulia, Romania
- June 2015 *Prospects of Particle Physics at the 13 TeV LHC*  
Invited Talk - Gordon Research Conference, Hong Kong University of Science and Technology
- August 2015 *CERN – A Gateway to Science and Technology*  
Invited Talk – 9<sup>th</sup> International Physics Conference of the Balkan Physical Union, Istanbul, Turkey
- August 2015 *CERN and the High Energy Frontier*  
Invited Talk - International Conference on New Frontiers in Physics, Kolymbari, Greece
- August 2016 *CERN – A Gateway to Science, Technology and Innovation*  
Invited Talk - International Nuclear Science and Technology Conference, Bangkok, Thailand
- March 2016 *CERN – A Gateway to Science, Technology and Innovation*  
Invited Talk – Annual Meeting of Hellenic Physical Society Aigina, Greece

- September 2016 *CERN – A Gateway to Science, Technology and Innovation*  
Invited Talk - XIIth Quark Confinement and the Hadron Spectrum  
Thessaloniki, Greece
- September 2016 *CERN – A Gateway to Science, Technology and Innovation*  
Invited Talk - IAS-CERN Joint Workshop on Collaboration with ASEAN  
Countries, Singapore
- November 2016 *CERN – A Gateway to Science, Technology and Innovation*  
Invited Talk – PRONASEM 2016  
Bucharest, Romania
- March 2017 *CERN – A Gateway to Science, Technology and Innovation*  
Invited Talk - International Symposium on the Korea-CERN Scientific  
Cooperation – Past, Present and Future  
Seoul, Republic of Korea
- June 2017 *CERN – A Gateway to Science, Technology and Innovation*  
Invited Talk - Second Summer School on Astronomy of the Hellenic Physical  
Society  
Kefallonia, Greece
- June 2017 *CERN – A Gateway to Science, Technology and Innovation*  
Invited Talk - South Asian High Energy Physics Instrumentation Workshop  
on Detector Technology and Applications  
Kathmandu, Nepal
- August 2017 Introduction to Accelerators  
Invited Lectures - SLRI-CERN-ASEAN Accelerator School  
Nakhon Ratchisima, Thailand
- September 2017 *CERN – A Gateway to Science, Technology and Innovation*  
Invited talk - ASEAN Workshop on Frontiers of Physics 2017  
Singapore
- March 2018 *Future Accelerators at the High Energy Frontier*  
Invited Talk - Particle and Cosmology Conference  
Singapore
- March 2018 *Future Accelerators at the High Energy Frontier*  
Invited Talk – Annual Meeting of the Hellenic Physical Society  
Thessaloniki, Greece
- May 2018 *CERN – A Gateway to Science, Technology and Innovation*  
Invited Talk – University of Saskatchewan and Canadian Light Source  
Saskatoon, Canada
- July 2019 *Introduction to CERN and the Role of Large-scale Research Infrastructures*  
Invited Talk – Second Australian National Particle Therapy Symposium  
Sydney, Australia

- November 2019     *Member of Organising Committee and Panel Chair*  
 10<sup>th</sup> Anniversary of the CERN-South Africa Collaboration  
 Cape Town, South Africa
- February 2019     *CERN – A Gateway to Science, Technology and Innovation*  
 Invited Talk - Second CERN-South Asian High Energy Physics  
 Instrumentation Workshop on Detector Technologies and Applications  
 Colombo, Sri Lanka
- March 2019        *CERN – A Gateway to Science, Technology and Innovation*  
 Invited Talk – Third Australian National Particle Therapy Symposium  
 Brisbane, Australia
- May 2019          *CERN – A Gateway to Science, Technology and Innovation*  
 Invited Talk - Vigyan Samagam CERN Accelerating Science Exhibition  
 Mumbai, India
- August 2019       *Introduction to Particle Physics*  
 Invited Lecture - Introduction to High Energy Physics and Accelerator  
 Physics Summer School  
 Almaty, Kazakhstan
- October 2020      *Collaboration in Accelerator Technologies – CERN & Australia*  
 Invited Talk – Australian Accelerator Technology Forum 2020  
 Melbourne, Australia
- December 2020    *CERN and the Future Circular Collider*  
 Invited Talk – Thailand Workshop on e-Science and High Performance  
 Computing 2020  
 Bangkok, Thailand

# List of Publications (Abridged)

---

- J. Alitti *et al.* (UA2 Collaboration): *Measurement of the W and Z Production Cross Sections at the CERN Proton-Antiproton Collider*, Z. Phys. C49(1990)11
- J. Alitti *et al.* (UA2 Collaboration): *Measurement of the Two-jet Decays of the W and Z Bosons at the CERN Proton-Antiproton Collider*, Z. Phys. C49(1990)19
- J. Alitti *et al.* (UA2 Collaboration): *Inclusive Jet Cross Section and a Search for Quark Compositeness at the CERN Proton-Antiproton Collider*, Phys. Lett. B 257(1991)232
- J. Alitti *et al.* (UA2 Collaboration): *A Determination of the Strong Coupling Constant from W Production at the CERN Proton-Antiproton Collider*, Phys. Lett. B 263(1991)563
- J. Alitti *et al.* (UA2 Collaboration): *A Measurement of the Direct Photon Production Cross Section at the CERN Proton-Antiproton Collider*, Phys. Lett. B 263(1991)544
- J. Alitti *et al.* (UA2 Collaboration): *A Measurement of the Electron-Tau Universality at the CERN Proton-Antiproton Collider*, Z. Phys. C52(1991)209
- J. Alitti *et al.* (UA2 Collaboration): *A Study of Multi-Jet Events at the CERN Proton-Antiproton Collider and a Search for Double Parton Scattering*, Phys. Lett. B 268(1991)145
- J. Alitti *et al.* (UA2 Collaboration): *Study of Electron Pair Production below the Z Mass at the CERN Proton-Antiproton Collider*, Phys. Lett. B 275(1992)202
- J. Alitti *et al.* (UA2 Collaboration): *A Search for Scalar Leptoquarks at the CERN Proton-Antiproton Collider and a Search for Double Parton Scattering*, Phys. Lett. B 274(1992)507
- J. Alitti *et al.* (UA2 Collaboration): *An Improved Determination of the Ratio of W and Z Masses at the CERN Proton-Antiproton Collider*, Phys. Lett. B 276(1992)354
- J. Alitti *et al.* (UA2 Collaboration): *A Measurement of the W and Z Production Cross Sections and a Determination of  $\Gamma_W$  at the CERN Proton-Antiproton Collider*, Phys. Lett. B 276(1992)365
- J. Alitti *et al.* (UA2 Collaboration): *Experimental Limit on the Decay  $W^\pm \rightarrow \pi^\pm \gamma$  at the CERN Proton-Antiproton Collider*, Phys. Lett. B 277(1992)203
- J. Alitti *et al.* (UA2 Collaboration): *Direct Measurement of the W -  $\gamma$  Coupling at the CERN Proton-Antiproton Collider*, Phys. Lett. B 277(1992)194
- J. Alitti *et al.* (UA2 Collaboration): *A Search for Charged Higgs from Top Quark Decay at the CERN Proton-Antiproton Collider*, Phys. Lett. B 280(1992)137
- J. Alitti *et al.* (UA2 Collaboration): *A Measurement of Single and Double Prompt Photon Production at the CERN Proton-Antiproton Collider*, Phys. Lett. B 288(1992)386
- J. Alitti *et al.* (UA2 Collaboration): *A Search for New Intermediate Vector Bosons and Excited Quarks Decaying to Two Jets at the CERN Proton-Antiproton Collider*, Nucl. Phys. B 400(1993)3
- Clark *et al.* : *A Study of a Second Level Track Trigger for ATLAS*, Nucl. Instr. Meth. A 336(1993)59
- J. Alitti *et al.* (UA2 Collaboration): *Measurement of the Gluon Structure Function from Direct Photon Data at the CERN Proton-Antiproton Collider*, Phys. Lett. B 299(1993)174
- L. Casagrande *et al.*: *The Alignment of the West Area Neutrino Facility*, CERN Yellow Report Number 9606, August 1996
- J. Altegoer *et al.* (NOMAD Collaboration): *Precision Measurement of the Scaled Momentum, Charged Multiplicity and Thrust in  $\nu_\mu N$  and anti- $\nu_\mu N$  Interactions*, Phys. Lett. B 445(1997)439
- J. Altegoer *et al.* (NOMAD Collaboration): *The NOMAD Experiment at the CERN SPS*, Nucl. Instr. Meth. A 404(1998)96
- K. Bernier *et al.*: *Calibration of Secondary Emission Monitors of Absolute Proton Beam Intensity in the CERN SPS North Area*, CERN Yellow Report Number 97-07, July 1997
- G. Ambrosini *et al.* (NA56 Collaboration): *K/  $\pi$  Production ratios from 450 GeV/c Protons on Beryllium*, Phys. Lett. B 420(1998)225
- G. Ambrosini *et al.* (NA56 Collaboration): *Pion Yield from 450 GeV/c Protons on Beryllium*, Phys. Lett. B 425(1998)208
- J. Altegoer *et al.* (NOMAD Collaboration): *Search for a New Gauge Boson in  $\pi^0 \rightarrow \gamma X$  Decays*, Phys. Lett. B 428(1998)197
- J. Altegoer *et al.* (NOMAD Collaboration): *Search for  $\nu_\mu \rightarrow \nu_\tau$  Oscillations Using the NOMAD Detector*, Phys. Lett. B 431(1998)219

- K. Elsener *et al.*: *The CERN Neutrino Beam to Gran Sasso Conceptual Design Report*, CERN Yellow Report Number 98-02 and INFN/AE-98-05, June 1998
- J. Altegoer *et al.* (NOMAD Collaboration): *A More Sensitive Search for  $\nu_{\mu} \rightarrow \nu_{\tau}$  Oscillations in NOMAD*, Phys. Lett. B 453(1999)169
- G. Ambrosini *et al.* (NA56 Collaboration): *Measurement of Charged Particle Production Pion Yield from 450 GeV/c Protons on Beryllium*, Eur. Phys. Jour. C10(1999)604
- J. Altegoer *et al.* (NOMAD Collaboration): *Precision Measurement of Scaled Momentum, Scaled Multiplicity, and Thrust in  $\nu_{\mu} N$  and anti- $\nu_{\mu} N$  Interactions*, Phys. Lett. B 445(1999)439
- J. Altegoer *et al.* (NOMAD Collaboration): *Limit on  $\nu_{\mu} \rightarrow \nu_{\tau}$  Oscillations from the NOMAD Experiment*, Phys. Lett. B 471(2000)406
- J. Altegoer *et al.* (NOMAD Collaboration): *Search for eV (Pseudo)-scalar Penetrating Particles in the SPS Neutrino Beam*, Phys. Lett. B 479(2000)371
- J. Altegoer *et al.* (NOMAD Collaboration): *Updated Results from the  $\nu_{\tau}$  Appearance Search in NOMAD*, Phys. Lett. B 483(2000)387
- J. Altegoer *et al.* (NOMAD Collaboration): *Measurement of the Lambda Polarization in Charged Current Interactions in the NOMAD Experiment*, Nucl. Phys. B 588(2000)3
- J. Altegoer *et al.* (NOMAD Collaboration): *Search for MeV Isosinglet Neutrinos Mixing in Tau Neutrinos*, Phys. Lett. B 506(2001)27
- J. Altegoer *et al.* (NOMAD Collaboration): *Inclusive  $f_0$  and  $f_2$  Meson Production in Muon Neutrino Charged Current Interactions*, Nucl. Phys. B 601(2001)3
- J. Altegoer *et al.* (NOMAD Collaboration): *A Study of Strange Particle Production in Charged Current Interactions in the NOMAD Experiment*, Nucl. Phys. B 621(2001)3
- P. Astier *et al.* (NOMAD Collaboration): *Search for Heavy Neutrino Mixing with Neutrinos*, Phys. Lett. B 506(2001)27
- J. Altegoer *et al.* (NOMAD Collaboration): *New Results on a Search for 33.9 MeV/c<sup>2</sup> Neutral Particle from Pion Decay in the NOMAD Experiment*, Phys. Lett. B 527(2002)23
- J. Altegoer *et al.* (NOMAD Collaboration): *Study of  $D^{*+}$  Production in Charged Current Interactions in the NOMAD Experiment*, Phys. Lett. B 526(2002)278
- P. Astier *et al.* (NOMAD Collaboration): *Prediction of Neutrino Fluxes in the NOMAD Experiment*, Nucl. Instr. Meth. Phys. Res. AA 515(2003)800
- P. Astier *et al.* (NOMAD Collaboration): *Search for  $\nu_{\mu} \rightarrow \nu_e$  Oscillations in the NOMAD Experiment*, Phys. Lett. B 570(2003)19
- D. Naumov *et al.* (NOMAD Collaboration): *A Study of Strange Particles Produced in Neutrino Neutral Current Interactions in the NOMAD Experiment*, Nucl. Phys. B 700(2004)51
- P. Astier *et al.* (NOMAD Collaboration): *Bose-Einstein Correlations in Charged Current Muon-Neutrino Interactions in the NOMAD Experiment*, Nucl. Phys. B 686(2004)3
- O. Samoylov *et al.* (NOMAD Collaboration): *Search for the Exotic  $\Theta^{+}$  Resonance in the NOMAD Experiment*, Eur. Phys. J. C 49(2006)499
- S. Chatryan *et al.* (CMS Collaboration): *The CMS Experiment at the CERN LHC*, Journal of Instrumentation, 2008 JINST 3 S080004
- Q. Wu *et al.* (NOMAD Collaboration): *A Precise Measurement of the Muon Neutrino-Nucleon Inclusive Charged-current Cross-section off an Isoscalar Target in the Energy Range  $2.5 < E(\nu) < 40$ -GeV by NOMAD*, Phys. Lett. B660 (2008) 19-25
- C.T. Kullenberg *et al.* (NOMAD Collaboration): *A Measurement of Coherent Neutral Pion Production in Neutrino Neutral Current Interactions in NOMAD*, Oct 2009, Phys. Lett. B682 (2009) 177-184
- L. Alvarez-Gaume *et al.*: *Proceedings, Symposium on From the PS to the LHC – 50 Years of Memories in High-Energy Physics*, Springer, 2009
- V Lyubushkin *et al.* (NOMAD Collaboration): *A Study of Quasi-elastic Muon Neutrino and Antineutrino Scattering in the NOMAD Experiment*, Eur. Phys. J. C63 (2009) 355-381
- E. Tsesselis: *Future Colliders at CERN*, Fortsch. Phys. 58 (2010) 628-633
- N. Delerue *et al.*: *Observation of a H- Beam at the CERN LINAC4 Test Stand Using a Pepper-pot*, 1<sup>st</sup> International Particle Accelerator Conference (IPAC 2010), Kyoto, May 2010
- A. Ball *et al.*: *Design, Implementation and First Measurements with the Medipix2-MXR Detector at the Compact Muon Solenoid Experiment*, JINST 6 (2011) P08005
- S. Chatrchyan *et al.*: *A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider* (CMS Collaboration), Science 338(2012)1569
- E. Tsesselis: *Jack Steinberger: Memories of the PS and of LEP*, Eur. Phys. J. H36 (2012) 455-467

- C.T. Kullenberg *et al.*: *A Search for Single Photon Events in Neutrino Interactions in NOMAD* (NOMAD Collaboration), Phys. Lett. B706 (2012) 268-275
- O. Samoylov *et al.*: *A Precision Measurement of Charm Dimuon Production in Neutrino Interactions from the NOMAD Experiment* (NOMAD Collaboration), Nucl. Phys. B876 (2013) 339
- R. Aleksan *et al.*: *Physics Briefing Book – Input from the Strategy Group to Draft the Update of the European Strategy for Particle Physics*, CERN-ESG-005, 2013
- T. Chanwattana *et al.*: *Short Pulses THz FEL for the Oxford Accelerator Science Laboratory*, 5<sup>th</sup> International Particle Accelerator Conference (IPAC 2014), Dresden, June 2014
- E. Tsesmelis: *CERN and the High Energy Frontier*, EPJ Web Conf. 71(2014)147
- E. Tsesmelis (ed.), M. Maroudas (ed.), *Proceedings of 10<sup>th</sup> Patras Workshop on Axions, WIMPs and WISPs (AXION-WIMP 2014)*, Geneva, June-July 2014
- T. Chanwattana *et al.*: *Development of Advanced Fourth Generation Light Sources for the Accelerator Science Laboratory*, 6<sup>th</sup> International Particle Accelerator Conference (IPAC 2015), Richmond, Virginia, May 2015
- E. Tsesmelis: *Future Accelerators at the High Energy Frontier*, Particle and Cosmology Conference, Singapore, March 2018
- C. Adolphsen *et al.*: *European Strategy for Particle Physics -- Accelerator R&D Roadmap*, CERN Yellow Rep. Monogr. 1 (2022) 1-270