

NAME PAOLO SCIALLA



POSITION Lead Specialist –  
Electrotechnical Systems

#### CURRENT DUTIES AND RESPONSIBILITIES

Lead Specialist, Electrotechnical Systems at Lloyd's Register EMEA, Trieste Technical Support Office. Leading a team of 4 Specialists.  
Technical Support to internal and external Clients (South Europe) to the design of Electrical, Control Engineering, Navigation, Communication and Software Based Systems for Marine and Offshore, including various autonomous levels systems.  
Technical Support to Marine and Offshore Business Development and Delivering Services for Products Certification and Consultancy in Cyber Security and Safety Systems including Risk Assessment.  
Participating to International projects within Innovation and new Technologies including EU founded Research Projects in 'Autonomous Ships' and 'Green Ships'.

#### CAREER SUMMARY

12 Years service in the Italian Navy as Technical Officer on Submarine, Destroyer, Frigate and Supply Ship. Responsible for Ship's Electrical, Navigation Electronics and Control equipment maintenance and repair in the Brindisi Italian Naval Base.  
20 Years Served Lloyd's Register as Electrotechnical Specialist.

#### QUALIFICATIONS

ACADEMIC Master Degree in Electrical Engineer at Pisa University 1991  
Italian Government Degree in Engineering 1992.

#### PROFESSIONAL

Italian Chartered Engineer  
Member of Council of the Italian Electrotechnical Society (AEIT)  
Trieste Court of Law technical consultant.  
Italian Commerce and Industry Chamber Chartered Engineer for electrical and control systems.  
Italian Navy Electrical Chief Engineer and Safety Officer.  
LR Certificate of Authorisation for Electrotechnical Surveys onboard of new buildings and existing ships and at manufacturers of electrical and Control Engineering equipment and components.  
LR Certificate of Authorisation for Design Approval Electrotechnical and Type Approval of Electrotechnical equipment for LV, HV, DP, navigation systems, automation, software based systems, equipment in explosive

atmosphere, electric propulsion, control and safety systems, Risk Assessment.

## PROFESSIONAL EXPERIENCE

1998 – date

### LLOYD'S REGISTER

2016 – date. Lead Specialist, Electrotechnical systems, delivering technical services on hybrid propulsion, large battery installations on ships, cyber enabled ships, autonomous ships, risk assessment, software assurance. All below activities.

2013 – 2016. Lead Specialist for Electrotechnical at Trieste Technical Support Office, part of the Marine Technology and Engineering Service at the Global Technology Centre, Southampton UK. Providing marine services and consultancy in Electrotechnical, including risk assessment of new technologies as battery and LNG.

2007 – 2013. Lead Specialist for Electrical and Control Engineering at the Trieste Design Support Centre.

2004 – 2007 Senior Surveyor for Electrical and Control Engineering at the Marine Plan Approval Office in Trieste.

2003 – 2004 Senior Surveyor at Marghera (Venice) Shipyard and Monfalcone Shipyard.

2001 - 2004 Electrical Surveyor at the Marine Plan Approval Office in Trieste

1999 - 2001 Electrical and Engineer Surveyor at the Trieste Port office and trainee-on-the-job at the Marine Plan Approval Office in Trieste.

2000 Jul – 2000 Oct Training in 2000 at London Plan Approval Office, Electrical Dept

1998 – 1999 Engineer surveyor at the Trieste Port office.

### ITALIAN NAVY

1985 – 1998

1995 – 1998 Ships Weapon and Communications Technical officer at Brindisi ITN Naval Base Responsible for Electrical and Electronic works on Naval ships in service.

1994 – 1995 Electrical Chief Engineer on Italian Navy Destroyer “F.Mimbelli”.

1991 – 1994 Electrical Officer on the Italian Navy Frigate “Libeccio”

1989 Midshipman in training on ITN Supply Vessel “Stromboli”

1988 Midshipman in training on ITN Submarine “C.F. Di Cossato”

1985-1989 Cadet in the Italian Naval Academy

## PUBLICATIONS

S. Castellan, S. Quaia, P. Scialla, and G. Sulligoi, All-Electric Mega-Yachts: Integrated Power System Operation and its Interaction with Propulsion Converters, Proc. of IEEE Speedam 2006

J. Mediavilla Varas, S. Hirdaris, R. Smith, P. Scialla, W. Caharija, Z. Bhuiyan, T. Mills, W. Naeem, L. Hu, I. Renton, D. Motson, E. Rajabally  
MAXCMAS Project - Autonomous COLREGs Compliant Ship Navigation

Proc. 16th COMPIT, Cardiff, May 2017

P. Scialla, P. Davies, Consideration of Hybrid Technology & Associated Machinery,  
The 25th International Tug, Salvage & OSV Convention and Exhibition, June 2018,  
Marseille, France

E.Cassi, JP Cavanna, P.Scialla The Cyber Risk and its management in the Marine  
Industry, NAV2018, June 2018 - Trieste, Italy