



EMEA Systems Engineering Conference 2014

"SYSTEMS ENGINEERING: EXPLORING NEW HORIZONS"

27 - 30 OCTOBER 2014 - CAPE TOWN, SOUTH AFRICA

INCOSE Overview and major events in 2014

Jean-Claude Roussel

*Systems Engineering Senior Expert
Airbus Group Innovations, Toulouse*

INCOSE Director for Europe, Middle East and Africa Sector

INCOSE Past Technical Director



South Africa



EMEA Systems Engineering Conference 2014

"SYSTEMS ENGINEERING: EXPLORING NEW HORIZONS"

27 - 30 OCTOBER 2014 - CAPE TOWN, SOUTH AFRICA

WHAT IS INCOSE ?

(INTERNATIONAL COUNCIL ON SYSTEMS ENGINEERING)

**INCOSE IS THE WORLD'S AUTHORITY
ON SYSTEMS ENGINEERING**

**ITS MISSION IS TO SHARE, PROMOTE AND ADVANCE THE BEST OF
SYSTEMS ENGINEERING FROM ACROSS THE GLOBE FOR THE BENEFIT
OF HUMANITY AND THE PLANET**

9,000+ individual members from 30 countries and over 90 corporate advisory boards (from industries, academia and agencies) comprise a professional community that recognizes the value of systems engineering



South Africa



EMEA Systems Engineering Conference 2014

"SYSTEMS ENGINEERING: EXPLORING NEW HORIZONS"

27 - 30 OCTOBER 2014 - CAPE TOWN, SOUTH AFRICA

Sector 1
Americas

Sector 2
EMEA
Sector

Sector 3
Asia &
Oceania



South Africa

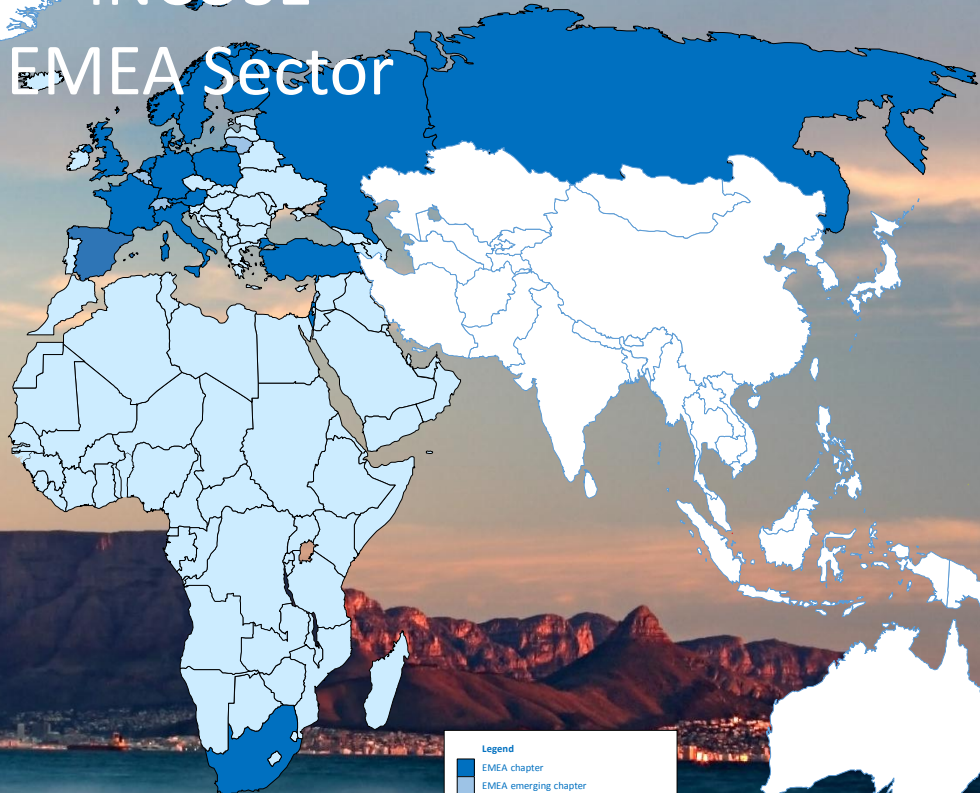


EMEA Systems Engineering Conference 2014

"SYSTEMS ENGINEERING: EXPLORING NEW HORIZONS"

27 - 30 OCTOBER 2014 - CAPE TOWN, SOUTH AFRICA

INCOSE EMEA Sector



Legend	
Dark Blue	EMEA chapter
Light Blue	EMEA emerging chapter
White	Country within the EMEA sector
White	Other countries



South Africa



EMEA Systems Engineering Conference 2014

"SYSTEMS ENGINEERING: EXPLORING NEW HORIZONS"

27 - 30 OCTOBER 2014 - CAPE TOWN, SOUTH AFRICA

INCOSE Chapters in Europe, Middle East, Africa (EMEA)

UK

GfSE (Germany)

Sweden

NORSEC (Norway)

FINSE (Finland)

AFIS (France)

South Africa

Italy

Russia

Turkey

Denmark

Netherlands

ILTAM (Israel)

Spain

Switzerland

Poland





EMEA Systems Engineering Conference 2014

"SYSTEMS ENGINEERING: EXPLORING NEW HORIZONS"

27 - 30 OCTOBER 2014 - CAPE TOWN, SOUTH AFRICA

INCOSE WORKING GROUPS

- Affordability
- Agile Systems Engineering
- Anti-terrorism International
- Architecture
- Autonomous System & Evaluation
- Biomedical
- Complex Systems
- Cost Engineering
- Decision Analysis
- Defense Systems
- Global Earth Observation System of Systems
- Human Systems Integration
- Infrastructure
- In-Service Systems
- Intelligent Enterprises
- Knowledge Management
- Lean Systems Engineering
- Life Cycle Management
- MBSE Initiative
- Measurement
- Motor Sports
- Net-centric Operations
- Object-Oriented SE Method
- Power & Energy Systems
- Process Improvement
- Reliability Engineering
- Requirements
- Resilient Systems
- Risk Management
- SE Effectiveness
- Space Systems
- Standards Initiative
- Systems Safety Integration
- Systems Security Engineering
- Systems Science
- Tools Database
- Tools Integration & Operability
- Training
- Transportation
- Verification & Validation
- Very Small and Micro Entities





EMEA Systems Engineering Conference 2014

"SYSTEMS ENGINEERING: EXPLORING NEW HORIZONS"

27 - 30 OCTOBER 2014 - CAPE TOWN, SOUTH AFRICA

PUBLICATIONS & PRODUCTS

- INSIGHT (quarterly)
- Systems Engineering: The Journal of the INCOSE
- Symposia Proceedings (and i-pub, papers online)
- Products from Working Groups
 - Free to the public on the Web (www.incose.org)
 - Tools Database
 - Technical resource center
 - From the Members Area of the Web (connect.incose.org)
 - Systems Engineering Handbook
 - Systems Engineering 2025 Vision
 - Webinar Archives





EMEA Systems Engineering Conference 2014

"SYSTEMS ENGINEERING: EXPLORING NEW HORIZONS"

27 - 30 OCTOBER 2014 - CAPE TOWN, SOUTH AFRICA

INCOSE SE CERTIFICATION

Senior Level



Expert Systems Engineering Professional

Targeted towards Systems Engineers with significant work experience

ESEPs are certified against **accomplishment, experience, and education requirements**

Foundation Level



Certified Systems Engineering Professional

Targeted towards Systems Engineers with five or more years work experience

CSEPs are certified against **experience, education, and knowledge requirements**

Entry Level



Associate Systems Engineering Professional

Targeted towards junior/emerging Systems Engineers and recent college graduates

ASEPs are certified against **education and knowledge requirements**



South Africa



EMEA Systems Engineering Conference 2014

"SYSTEMS ENGINEERING: EXPLORING NEW HORIZONS"

27 - 30 OCTOBER 2014 - CAPE TOWN, SOUTH AFRICA

Majors INCOSE events in 2014

- Annual International Workshop (IW 2014) : 25-29 June , LA, USA
- Conference of Systems Engineering Research : 20-22 March , LA, USA
- Annual International Symposium (IS 2014) : 30 June-3rd July, LV, USA
- Sector conference : EMEASEC 2014, 27-30 Oct, Capte Town, South Africa
- Local Chapters Conferences :
 - Kongberg SE Event – 12-13th June – Kongsberg, Norway
 - CSDM 2014 – 12-14 Nov - Paris, France
 - INCOSE UK Conference – 18-19 Nov 2014 – Telford, UK
 - CSDM 2014 Asia – 10-12 Dec - Singapore
- Annual International Workshop (IW 2015) : 24-27 Jan 2015 , LA, USA





EMEA Systems Engineering Conference 2014

"SYSTEMS ENGINEERING: EXPLORING NEW HORIZONS"

27 - 30 OCTOBER 2014 - CAPE TOWN, SOUTH AFRICA

EMEASEC 2014

- The ninth biennial Systems Engineering Conference of the Europe, Middle-East and Africa (EMEA) Sector of INCOSE (EMEASEC 2014)
- Formerly the 'European Systems Engineering Conference (EuSEC)'
- Hosted by the INCOSE South Africa Chapter with the support of other EMEA Chapters
- First EMEA Sector conference outside Europe





EMEA Systems Engineering Conference 2014

"SYSTEMS ENGINEERING: EXPLORING NEW HORIZONS"

27 - 30 OCTOBER 2014 - CAPE TOWN, SOUTH AFRICA

THEME

- Exploring New Horizons

- Inspired by the Millennium Project commissioned by the United Nations Secretary General in 2002 to develop a concrete action plan to address key global challenges such as poverty, hunger and disease facing humanity across the globe
- The conference aims to focus application of Systems Thinking and Systems Engineering theory, principles, processes and tools to the 15 global challenges identified by the Millennium Project
- Sub-themes will be derived from the 15 global challenges
- Papers and tutorials are invited on Engineered Systems, Natural Systems and Social Systems, with emphasis on the latter two





EMEA Systems Engineering Conference 2014

"SYSTEMS ENGINEERING: EXPLORING NEW HORIZONS"

27 - 30 OCTOBER 2014 - CAPE TOWN, SOUTH AFRICA

FORMAT

- The 4-day conference includes
 - Three days of technical papers and tutorials (4 concurrent tracks)
 - Educational tours on the fourth day
 - Each day will commence with an opening plenary, and conclude with a closing plenary
 - The conference will be conducted in the English language
 - Paper Sessions 40-minutes, including question and turn-around time
 - Tutorial Sessions Full-day and ½-day tutorials are accommodated
 - Panel Sessions
- All papers will be subjected to a
 - Double blind peer review process
 - Accepted papers will be published in the conference proceedings and in the INCOSE technical library, earning publication credits (ISBN is 978-0-620-58907-9)





EMEA Systems Engineering Conference 2014

"SYSTEMS ENGINEERING: EXPLORING NEW HORIZONS"

27 - 30 OCTOBER 2014 - CAPE TOWN, SOUTH AFRICA

ATTENDANCE CATEGORIES

- **Fees:** (in South African Rand (R) Euro (€) amounts based on an exchange rate of R15/€)

Category	INCOSE Members		Non-Member
	Normal	Student	
Full Delegate	R6 000 (€367)	R3 600 (€173)	R6 900 (€393)
Paper Presenter	R4 800 (€287)	R3 000 (€133)	R5 700 (€313)
Tutorial Presenter	R0 (€0)	R0 (€0)	R0 (€0)



South Africa



EMEA Systems Engineering Conference 2014

"SYSTEMS ENGINEERING: EXPLORING NEW HORIZONS"

27 - 30 OCTOBER 2014 - CAPE TOWN, SOUTH AFRICA

SPONSORS AND EXHIBITORS

Sponsor Level & Monetary Value	Bronze	Silver	Gold	Platinum
Sponsor Benefits	R20 000 ~€1 500	R50 000 ~€3 500	R90 000 ~€6 500	R150 000 ~€11 000
Webpage Link (Logo with URL; Classification according to status)	Yes	Yes	Yes	Yes
Write-up in Program (Classification according to status)	Yes	Yes	Yes	Yes
Write-up in Proceedings (Classification according to status)	Yes	Yes	Yes	Yes
Sponsor Logo Display (Exposure time according to status)	Yes	Yes	Yes	Yes
Complimentary Delegate Tickets	1	1	2	3
Complimentary Banquet Tickets	0	1	2	3
Brochures in Delegate Packs	Yes	Yes	Yes	Yes
Promotional Items in Delegate Packs	No	No	Yes	Yes
Exhibition Spaces	No	50% discount on 1	1	2
Contributions under R20 000 (~€1 500) are also welcome; benefits will be dealt with on a case-by-case basis				





EMEA Systems Engineering Conference 2014

"SYSTEMS ENGINEERING: EXPLORING NEW HORIZONS"

27 - 30 OCTOBER 2014 - CAPE TOWN, SOUTH AFRICA

VENUE

- Lord Charles Hotel & Conference Venue, Somerset West
- 25km from Cape Town International airport
- 40km from Cape Town
- 150 rooms have been reserved for conference delegates up to mid-September 2014
- Alternative accommodation is available in the vicinity
- The EMEASEC 2014 website will provide information





EMEA Systems Engineering Conference 2014

"SYSTEMS ENGINEERING: EXPLORING NEW HORIZONS"

27 - 30 OCTOBER 2014 - CAPE TOWN, SOUTH AFRICA

DATES TO REMEMBER

- 21 Apr 14 Review-ready Paper Submission Deadline
- 27 May 14 Registrations Open
- 28 Jul 14 Notification of Paper Acceptance
- 25 Aug 14 Final Paper Submission
- 27 Aug 14 Early Bird Registration Deadline
- 26 Oct 14 EMEA Management Meetings
- 27-29 Oct 14 Conference
- 30 Oct 14 Educational Tours





EMEA Systems Engineering Conference 2014

"SYSTEMS ENGINEERING: EXPLORING NEW HORIZONS"

27 - 30 OCTOBER 2014 - CAPE TOWN, SOUTH AFRICA

CONTACT INFORMATION



Project Leader EMEASEC 2014

René Oosthuizen

Mobile: +27 82 808 3334

projectleader@incose-emea.org



Technical Chair

Dr Jörg Lalk

Mobile: +27 83 417 7541

technicalchair@incose-emea.org



Sponsors / Exhibitors Chair

Francois van de Merwe

Mobile: + 27 82 416 2885

sponsorexhibitor@incose-emea.org



Delegate Enquires

Cobus Lötter

Mobile: +27 79 136 9760

delegates@incose-emea.org



South Africa