

The [Centro Para Prevenção da Poluição \(C3P\)](#)
and the
[National Aeronautics and Space Administration \(NASA\)](#)
presents

C3P AND NASA TECHNICAL WORKSHOP 2005

“PARTNERING FOR SHARED SOLUTIONS TO COMMON ENVIRONMENTAL PROBLEMS”

at [Universidade Católica Portuguesa](#)
Lisbon, Portugal
September 8-9, 2005

Hosting **LEADOUT** Project in collaboration

TIME	EVENT TITLE
	Thursday, September 8
	Welcome Remarks
9:30 am – 10:15 am	- C3P – Centro Para a Prevenção da Poluição - NASA – National Aeronautics and Space Administration - Ministério do Ambiente, do Ordenamento do Território e do Desenvolvimento Regional
10:15 am – 10:45 am	Break
	An Introduction to C3P
10:45 am – 12:00 pm	- An overview of the challenges facing Portugal in Pollution Prevention – Prof. António Brito, Universidade do Minho - C3P Solutions to Environmental Issues – E. Dias Lopes, ISQ
12:30 pm – 2:00 pm	Lunch
	Green Electronics
2:00 pm – 4:00 pm	- Lead-free Soldering in Europe – Soldertec Roadmap – E. Dias Lopes, ISQ - RoHS Compatible Electronics boards Design and Assembly in Israel – Moshe Salem, ILTAM G.M - JCAA/JG-PP Lead-Free Solder Testing for High-Reliability Applications – Brian Greene, ITB
4:00 pm – 4:30 pm	Break
4:30 pm – 6:00 pm	- Automotive Lead-Free Electronics – António Aires, Visteon Corporation - Lead-Free Soldering Situation in Spain – Patricio Aguirre, INASMET

ANIMEE – Associação Portuguesa das Empresas do Sector Eléctrico e Electrónico (Portuguese Association of Electric and Electronic Industries)

ELFNET – European Lead Free soldering NETwork

FEUP – Faculdade de Engenharia da Universidade do Porto (Engineering Faculty of University of Porto)

ILTAM – Israeli User's Association of Advanced Technologies in Electronics

Fundación INASMET – Inovação e Tecnologia

INEGI – Instituto de Engenharia Mecânica e Gestão Industrial (Mechanical Engineering and Industrial Management Institute)

ISQ – Instituto de Soldadura e Qualidade (Welding and Quality Institute)

JCAA/JG-PP – Joint Council on Aging Aircraft / Joint Group on Pollution Prevention

KSC – Kennedy Space Center

LEADOUT Project – LowCost Lead-Free Soldering Technology to Improve the Competitiveness of European SMEs, European Funded Project

NASA/AFSPC AIU – NASA / Air Force Space Command Aliphatic Isocyanate Urthane Replacement

NASA AP2 – NASA Acquisition Pollution Prevention Program Office

September 8 - 9, 2005

<http://www.c3p.org>

2005 C3P AND NASA TECHNICAL WORKSHOP AGENDA

Universidade Católica Portuguesa, Lisboa, Portugal

TIME	EVENT TITLE General Section	Parallel Section 1	Parallel Section 2
	Friday September 9		
9:00 am – 9:15 am	Day 2 Welcome – Keynote Address		
9:15 am – 9:45 am	- Keynote Speaker: Dr. Desmond Lugg, Chief, Medicine of Extreme Environments, NASA "Shared Solutions to Environmental Problems on Earth and in Space: Lessons learned from the extremes of Antarctica"		
	Low VOC Printing Materials and Technologies	LEADOUT INFODAYS ⁽²⁾	P2 and the Automotive Industry (INEGI Projects)
9:45 am – 10:40 am	- US Printing Industry's Environmental Efforts – Gary Jones, U.S. Printing Industry Association - An overview of the current Portuguese Printing environment – Dr. António Guilhermino Pires - Greening the Portuguese Printing Industry, Introduction to the National C3P Project – Joana Vide Pereira, C3P; Marta Antas, ISQ; Matthew Rothgeb, ITB	- Opening – M. Pinto, ISQ - Presentation of the LEADOUT Project – Margarida Pinto, ISQ - National transposition of the EC Directives WEEE & RoHS – Tereza Silva, ANIMEE	- Hydrogen and Fuel-Cells for a more sustainable future – José Luis Alexandre, INEGI/FEUP - Biodegradable non-toxic lubricants for automotive applications – Jorge Seabra, INEGI/FEUP
10:40 am – 11:00 am	Break		
	Corrosion and Pollution Prevention		P2 and Sustainability (INEGI Projects)
11:00 am – 12:30 pm	- An overview of some of the challenges facing KSC in corrosion management and the NASA/KSC Testbed: a leader in corrosion analysis and testing – Dr. Luz Marina Calle, KSC Corrosion Testbed, NASA - NASA/AFSPC AIU Replacement – Joe Curran, KSC Corrosion Testbed, NASA	- Lead-Free Overview on Wave Soldering – Ian Wilding, Henkel - Pb free & Low VOC Soldering Process Implementation at Pioneer – Micael Santos, Pioneer	- Environment and Energy-Two sides of the same coin. INEGI's contribution to a sustainable future – Francisco Mota Torres, INEGI - Development of new Polymer Concretes with recycled materials – António Ferreira, INEGI/FEUP
12:30 pm – 2:00 pm	Lunch		
	Corrosion and Pollution Prevention in Marine Environment		P2 and Sustainability (ISQ Projects)
2:00 pm – 3:00 pm	- Corrosion in Aluminium Ships: Practical Cases – F. Gomes Lopes, Transtejo - A brief state of the art in EU of ecopaints for ship hull uses – E. Dias Lopes, N. Duarte, ISQ - Hempel and the Environment; Painting a Cleaner Future – Alda Confraria, Hempel	- LEADOUT and the Benchmarking importance on the production reliability of electronic products – Helder Ferreira, Crossline - Status on SME Lead Free Soldering Implementation in Europe and their Concerns – ELFNET & LEADOUT Projects – Sandra Estanislau, ISQ	- Paving the way for sustainable development at ISQ – Lobato Faria, ISQ - Water management of transboundary catchments – Marco Estrela, ISQ - Environmentally friendly helicopter – Aristides Chaves, ISQ
	Corrosion and Pollution Prevention in Aeronautics ⁽¹⁾		Innovative Depainting and Surface Preparation Technologies
3:00 pm – 4:30 pm	- U.S. Air Force Acquisition Pollution Prevention - Mary Wyderski, F-16 Environmental Program Manager - TAP/OGMA Chrome Systems Replacement Project E. Dias Lopes, ISQ - Air Force / Hill AFB efforts in Non-chrome Coating Systems – Dick Buchi - US Air Force Space Command efforts/progress in corrosion and pollution prevention regarding low-VOC coatings, and non-hazardous chemical strippers - Lt. Lauren Beaumont - Environmentally Friendly Pre-Treatments for Aluminium Alloys – Ana.M.Cabral, ISQ/ISEL	- Lead-Free Overview on Reflow – Ian Wilding, Henkel	- Sponge Jet Surface Preparation Technology - TBD, Sponge Jet - Liquid Nitrogen Depainting – Dr. Howard Hume, Nitrocion - Induction Paint removal technology – Tom Arne Baann; Bjorn Erik Alveberg
	Workshop Closing Remarks Farewell Port Wine		

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Força Aérea Portuguesa

