



## CONFERENCE PROGRAMME – Thursday 8<sup>th</sup> June (morning)

	PROGRAMME 1 – Drawing Room	PROGRAMME 2 – Earn Room
<b>Morning Session 1</b> <b>09.15- 10.30</b>	<p style="text-align: center;"><b>OPENING SESSION</b></p> <p><b>CHAIR: David Williams, Chief Executive, BHA</b></p> <ul style="list-style-type: none"> <li>• Welcome to the UK from BHA – Nick Pike, Chairman, BHA</li> <li>• Welcome to Hydroenergia 2006 from ESHA – Bernhard Pelikan, President, ESHA</li> <li>• Welcome to Scotland from the British Government - David Cairns MP, Parliamentary Under-Secretary, Scotland Office</li> <li>• Scotland's Hydro Potential &amp; Europe's Renewable Future – Alyn Smith, MEP, Green Party</li> <li>• A Hydropower Enthusiast – Jon Needle, Derwent Hydro</li> </ul>	<p style="text-align: center;"><b>Engineering Solutions (Part 1)</b></p> <p><b>CHAIR: Kieron Hanson, Partner, Hydroplan UK</b></p> <ul style="list-style-type: none"> <li>• Wave Dragon: A floating Hydropower Plant – W Panhauser, Kossler, Austria</li> <li>• Low-Head Small Hydro Turnkey Projects – M Arquilla, STE Energy, Italy</li> <li>• Engineering Solutions: CAT Turbine – D Krompholz, VA Tech Hydro, Germany</li> <li>• Refurbishment Using High Head Francis Turbines – A Watson, Gilbert Gilkes &amp; Gordon Ltd, UK</li> <li>• VLH: The Very Low-Head Turbo Generator for Extremely Low Waterfalls – M Lederc, MJ2 Technologies SARL, France</li> </ul>
<b>Morning Session 2</b> <b>11.00 – 12.30</b>	<p style="text-align: center;"><b>Policy &amp; New Opportunities (Part 1)</b></p> <p><b>CHAIR: Alison Bartle, Editor, International Hydropower &amp; Dams</b></p> <ul style="list-style-type: none"> <li>• New Developments in Hydropower in Austria – O Pirker, Verbund AHP, Austria</li> <li>• Small Hydro in the Czech Republic – M Bartusek, Assoc. of Hydro Engineers, Czech Republic</li> <li>• New Image of Hydro in France – G Weisrock, GPAE, France</li> <li>• Small hydropower Plants in Rep. of Macedonia – Prof. S Panovski, Faculty of Technical Services, Republic of Macedonia</li> <li>• Promotion of Small Hydropower Retrofitting &amp; Implementation in the Caucasus &amp; Carpathians – Dr C Epp, WTP International Projects (presented by M Laguna)</li> </ul>	

**Barvick Room (11.00 – 12.15): IEA Annex II Meeting**



## CONFERENCE PROGRAMME – Thursday 8<sup>th</sup> June (afternoon)

<p><b>Afternoon Session 1</b> <b>14.00-15.30</b></p>	<p><b>PROGRAMME 1 – Drawing Room</b></p> <p><b>Policy &amp; New Opportunities (Part 2)</b> <b>CHAIR: Bernhard Pelikan, President, ESHA</b></p> <ul style="list-style-type: none"> <li>• At the End of a "Feed in Tariff" Contract, Should an Economical Visibility for Small Hydro Be Achieved By The Market Conditions? – <i>H Albanel, GPAE, France</i></li> <li>• CDM: An Opportunity to Enhance SHP in Developing Countries and meet you GHG Emission reducing Targets – <i>Dr C Penche, Renewable Energy Consultant, Spain</i></li> <li>• Commercialisation &amp; Energy Trading for Small Independent Hydro Plant in the UK – <i>Dr A R Middleton, Tradelink Solutions Ltd, UK</i></li> </ul>	<p><b>PROGRAMME 2 – Earm Room</b></p> <p><b>Engineering Solutions (Part 2)</b> <b>CHAIR: A Watson, Technical Director, Gilbert Gilkes &amp; Gordon Ltd, UK</b></p> <ul style="list-style-type: none"> <li>• VASOCOMPACT: A European Project for the Development of a Commercial Concept for Variable Speed Operation of Submersible Turbines – <i>J Bard, ISET, Germany</i></li> <li>• Study of the Hydropower plant of Lanaye – <i>Prof. ALejeune, Faculte des Sciences Appliques, Belgium (presented by Ms I Topliceanu)</i></li> <li>• The Marecchia Rover Jump Power project Coupling Hydrogeological Hazard Mitigation with Hydropower – <i>Pmazzoli, GECCOsistema, Italy</i></li> <li>• Refurbishment of Units at Cruachan Pumped Storage Scheme – <i>F Parker, ALstom, UK</i></li> <li>• Replacement of Old Camel-Back Double Discharge Francis Units Through ECOBulb Technology – <i>P Duffon, VA Tech Hydro, France</i></li> </ul>
<p><b>Afternoon Session 2</b> <b>16.00 – 17.30</b></p>	<p><b>PROGRAMME 1 – Drawing Room</b></p> <p><b>Policy &amp; New Opportunities (Part 3)</b> <b>CHAIR: Bernhard Pelikan, President, ESHA</b></p> <ul style="list-style-type: none"> <li>• Licensing Situation in Sweden: Political Visions &amp; Practical Reality – <i>C Soderberg &amp; L Wettersted, SERO, Sweden</i></li> <li>• Community Hydropower in South Somerset &amp; Dorset: Mill Workers Working Together – <i>K Wheaton-Green, South Somerset District Council, UK</i></li> <li>• Conception of Development and Scheme Location os SHPP: Experience of Creation and results Implementation – <i>I Blyashko, JSC "INSET", Russia</i></li> </ul>	

**Barvick Room (14.00 – 17.30): ESHA/IEA Workshop**

**Loggia (14.00 – 17.30): UKTI/DTI Seminar (by invitation only)**



## CONFERENCE PROGRAMME – Friday 9<sup>th</sup> June (morning)

	<p style="text-align: center;"><b>PROGRAMME 1 – Drawing Room</b></p> <p><b>Morning Session 1</b> <b>09.00- 10.30</b></p> <p><b>Policy &amp; New Opportunities (Part 4)</b> <b>CHAIR: Keith Wheaton-Green, Climate Change Office, South Somerset DC</b></p> <ul style="list-style-type: none"> <li>• Strategy for harnessing SHP in Norway – <i>E Hultussen, NVE, Norway</i></li> <li>• SHP Investment Opportunities in Eastern European Countries – <i>M Gospodjirinacki, Slovenian Small Hydropower Association, Slovenia</i></li> <li>• Reserved Flow: From an Obligation to an Opportunity – <i>L Papetti, Studio Frosio, Italy</i></li> <li>• Developing the Next Generation of Hydropower Engineers – <i>Dr G Harrison, University of Edinburgh, UK</i></li> <li>• Micro-Hydro: A New Lease of Life – <i>O Paish, Derwent Hydro, UK</i></li> </ul>	<p style="text-align: center;"><b>PROGRAMME 2 – Earn Room</b></p> <p><b>Engineering Solutions (Part 3)</b> <b>CHAIR: Vincent Denis, MHylab</b></p> <ul style="list-style-type: none"> <li>• Vision of Proect from Owner's Point of View – <i>A Moissonnier, SEARCH LHT Project, France</i></li> <li>• Successful Implementation of Small Hydropower in Maximising the benefits of Optimal Multi-Purpose reservoir Use – <i>Prof. S Skuletic, University of Montenegro Faculty of Electrical Engineering, Montenegro</i></li> <li>• Refurbishment &amp; Re-Equipping of the 640kW Auchtertyre MHP Scheme – <i>J Cox, Dulas Ltd, UK</i></li> <li>• Improving the Efficiency of Pico-Propeller Turbines Using Computational Fluid Dynamics – <i>Dr R Simpson, Nottingham Trent university, UK</i></li> </ul>
<p><b>Morning Session 2</b> <b>11.00 – 12.30</b></p>	<p><b>Environmental &amp; Planning (Part 1)</b> <b>CHAIR: Luigi Papetti, Studio Frosio</b></p> <ul style="list-style-type: none"> <li>• The Analysis of Fresh Water Rivers as an Alternative Source of Energy in Remote Areas of Ireland – <i>B Fitzgerald, Institute of Technology, Tralee, Ireland</i></li> <li>• Investigations of Hydropower Plant Impact to River Flow &amp; Eco-System – <i>G Sabas, Kaunas University of Technology, Lithuania</i></li> <li>• Fish-friendly Turbines: A UK Perspective – <i>D Upadhyay, IT Power, UK</i></li> </ul>	<p><b>Engineering Solutions (Part 4)</b> <b>CHAIR: Christer Soderberg, Vice President, SERO Hydropower</b></p> <ul style="list-style-type: none"> <li>• Effect of Hydraulic Design of Pelton turbines on damage due to Silt Erosion and its Reduction – <i>V K Pande, BHEL, India</i></li> <li>• Waterhammer Problems &amp; Solutions in a SHP Long Interred Penstock Under a Small Town – <i>N Frosio, Studio Frosio (Frosio, Caretti)</i></li> <li>• Development, Simulation and Stress Analysis of a Rope Trash Rake Machine for Small Hydropower – <i>E Doujak, Vienna university of technology, Austria</i></li> <li>• CAD Tools to Systemise Smalllow-Head Turbines: An Riffcent Key for SHP Development – <i>V Denis, MHylab, Switzerland (Denis, Coulot, Tissot)</i></li> <li>• Geohazards for the Renewable Energy Sector – <i>I Uglow, SLR Consulting Ltd, UK</i></li> </ul>

**Barvick Room (09.00-12.30): BHA/ESHA Water Framework Directive Seminar**



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	<b>PROGRAMME 1 – Drawing Room</b>	<b>PROGRAMME 2 – Earn Room</b>
<b>Afternoon Session 1 14.00-15.30</b>	<p><b>Environmental &amp; Planning (Part 2)</b>  <b>CHAIR: Ghislain Weisrock, Vice President, ESHA</b></p> <ul style="list-style-type: none"> <li>• Rivers Exemption From Damming: A Case Study of Lowlands (Lithuania) – Ppunys, LHA, Lithuania</li> <li>• Small hydropower in the Province of Jaen: Base of Local Sustainable Development – L C Herrera, Goupo Idea, Spain</li> <li>• Small Storage Reservoirs: The Answer To Intermittent Renewables? – K P Hanson, Hydropian UK</li> </ul>	
<b>Afternoon Session 2 16.00 – 17.30</b>	<p><b>CLOSING SESSION</b>  <b>Bernhard Peilkan, President, ESHA</b></p> <ul style="list-style-type: none"> <li>• Conference Review</li> <li>• A Look into The Future</li> </ul>	