

# Global Motor Systems Network






EMSA Newsletter no. 2/2010


**Zurich June 2010:**

**See you all at the Motor Summit 2010 in October 2010 in Zurich**





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| 1 | <p>This is the latest edition of the Electric Motor Systems Annex (EMSA) Newsletter. Our subscription has grown now to 1'900 people from 70 countries. Global Motor Systems Network is the outreach project of EMSA in the International Energy Agency's program 4E: <b>Efficient Electrical End-Use Equipment</b>.</p> <p>If you would like to know more about 4E subscribe to <b>Bright Spark</b> at:<br/> <a href="http://www.iea-4e.org/bright-spark-newsletter">www.iea-4e.org/bright-spark-newsletter</a></p> |  |
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| <b>Events</b>                        |   |   |  |                     |                    |                              |                                       |                                |                        |                         |                                   |                     |                    |                                      |                                      |   |  |              |  |  |  |                                  |   |                   |                   |                             |           |                              |       |  |
|--------------------------------------|---|---|--|---------------------|--------------------|------------------------------|---------------------------------------|--------------------------------|------------------------|-------------------------|-----------------------------------|---------------------|--------------------|--------------------------------------|--------------------------------------|---|--|--------------|--|--|--|----------------------------------|---|-------------------|-------------------|-----------------------------|-----------|------------------------------|-------|--|
| 2                                    | <p>The third <b>Motor Summit (MS'10)</b> will be held from 26 to 28 October 2010 in Zurich, Switzerland.</p>  | <p>For registration and detailed program of the MS'10: <a href="http://www.motorsummit.ch">www.motorsummit.ch</a></p> |  |                     |                    |                              |                                       |                                |                        |                         |                                   |                     |                    |                                      |                                      |   |  |              |  |  |  |                                  |   |                   |                   |                             |           |                              |       |  |
|                                      | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #d3d3d3;"> <th style="width: 20%;">Monday<br/>25.10.</th> <th style="width: 20%;">Tuesday<br/>26.10.</th> <th style="width: 20%;">Wednesday<br/>27.10.</th> <th style="width: 20%;">Thursday<br/>28.10.</th> </tr> </thead> <tbody> <tr style="background-color: #d3d3d3;"> <td><b>EMSA Internal meeting</b></td> <td><b>EMSA/Australia Testing Centres</b></td> <td><b>MS'10 International Day</b></td> <td><b>MS'10 Swiss Day</b></td> </tr> <tr style="background-color: #d3d3d3;"> <td>Members only<br/>English</td> <td>Members plus<br/>public<br/>English</td> <td>Open<br/><br/>English</td> <td>Open<br/><br/>German</td> </tr> <tr style="background-color: #d3d3d3;"> <td><b>am session</b><br/>Progress report</td> <td><b>am session</b><br/>Progress report</td> <td><b>am session</b><br/>Key Note: BFE<br/>director, Walter<br/>Steinmann</td> <td><b>am session</b><br/>Key Note: BFE<br/>ECH, Michael<br/>Kaufmann</td> </tr> <tr style="background-color: #d3d3d3;"> <td colspan="4" style="text-align: center;"><b>Lunch</b></td> </tr> <tr style="background-color: #d3d3d3;"> <td><b>pm session</b><br/>Conclusions</td> <td><b>pm session</b><br/>Discussion,<br/>Conclusions</td> <td><b>pm session</b></td> <td><b>pm session</b></td> </tr> <tr style="background-color: #d3d3d3;"> <td>Reception<br/>Welcome dinner</td> <td>Free time</td> <td>Reception<br/>MS'10<br/>dinner</td> <td>Apero</td> </tr> </tbody> </table> | Monday<br>25.10.  | Tuesday<br>26.10.  | Wednesday<br>27.10. | Thursday<br>28.10. | <b>EMSA Internal meeting</b> | <b>EMSA/Australia Testing Centres</b> | <b>MS'10 International Day</b> | <b>MS'10 Swiss Day</b> | Members only<br>English | Members plus<br>public<br>English | Open<br><br>English | Open<br><br>German | <b>am session</b><br>Progress report | <b>am session</b><br>Progress report | <b>am session</b><br>Key Note: BFE<br>director, Walter<br>Steinmann | <b>am session</b><br>Key Note: BFE<br>ECH, Michael<br>Kaufmann | <b>Lunch</b> |  |  |  | <b>pm session</b><br>Conclusions | <b>pm session</b><br>Discussion,<br>Conclusions | <b>pm session</b> | <b>pm session</b> | Reception<br>Welcome dinner | Free time | Reception<br>MS'10<br>dinner | Apero |  |
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| <b>EMSA Internal meeting</b>         | <b>EMSA/Australia Testing Centres</b>   | <b>MS'10 International Day</b>  | <b>MS'10 Swiss Day</b>   |                     |                    |                              |                                       |                                |                        |                         |                                   |                     |                    |                                      |                                      |   |  |              |  |  |  |                                  |   |                   |                   |                             |           |                              |       |  |
| Members only<br>English              | Members plus<br>public<br>English   | Open<br><br>English   | Open<br><br>German   |                     |                    |                              |                                       |                                |                        |                         |                                   |                     |                    |                                      |                                      |   |  |              |  |  |  |                                  |   |                   |                   |                             |           |                              |       |  |
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| <b>Lunch</b>                         |   |   |  |                     |                    |                              |                                       |                                |                        |                         |                                   |                     |                    |                                      |                                      |   |  |              |  |  |  |                                  |   |                   |                   |                             |           |                              |       |  |
| <b>pm session</b><br>Conclusions     | <b>pm session</b><br>Discussion,<br>Conclusions   | <b>pm session</b>   | <b>pm session</b>  |                     |                    |                              |                                       |                                |                        |                         |                                   |                     |                    |                                      |                                      |   |  |              |  |  |  |                                  |   |                   |                   |                             |           |                              |       |  |
| Reception<br>Welcome dinner          | Free time   | Reception<br>MS'10<br>dinner  | Apero  |                     |                    |                              |                                       |                                |                        |                         |                                   |                     |                    |                                      |                                      |   |  |              |  |  |  |                                  |   |                   |                   |                             |           |                              |       |  |
| 3                                    | <p>Prior to MS'10 an EMSA workshop will be held at the same venue on 26 October 2010. If you are interested in attending the Workshop on <b>Testing Centres</b> you can send an e-mail to the task leader from Australia: Sarah Hatch.</p>  | <p><a href="mailto:sarah.hatch@environment.gov.au">sarah.hatch@environment.gov.au</a></p>                             |  |                     |                    |                              |                                       |                                |                        |                         |                                   |                     |                    |                                      |                                      |   |  |              |  |  |  |                                  |   |                   |                   |                             |           |                              |       |  |
| 4                                    | <p>If you are interested in attending the EMSA Workshop on <b>New Motor Technology</b> on 28 October 2010 at the same venue you can send an e-mail to the Task leader from the United Kingdom: Charles Gaisford.</p>  | <p><a href="mailto:charles.gaisford@wspgroup.com">charles.gaisford@wspgroup.com</a></p>                               |  |                     |                    |                              |                                       |                                |                        |                         |                                   |                     |                    |                                      |                                      |   |  |              |  |  |  |                                  |   |                   |                   |                             |           |                              |       |  |

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| 5 | <p>The XIX <b>International Conference</b> on Electrical Machines (<b>ICEM</b>) will be held on 6 - 8 September 2010 in Rome, Italy.<br/>For program and registration see: <a href="http://www.icem2010.it">www.icem2010.it</a></p>  |   |
| 6 | <p>The <b>Asian Clean Energy Forum ACEF</b> hosted by the Asian Development Bank and USAID was held in Manila on 23 - 25 June 2010.</p> <p>In session 7 on 23 June 2010 "Scaling up Energy Efficiency, from Road Maps to Implementation", there was a presentation on "Electric motor systems: Progress in harmonized global standards" by Conrad U. Brunner. If you would like to have a copy of the presentation please send an email to <a href="mailto:cub@cub.ch">cub@cub.ch</a>.</p> |   |
| 7 | <p>A 4E Conference on <b>Saving More Energy Through Compliance</b> will be held on 14 - 16 September 2010 in London. Compliance is important to ensure that efficiency programs continue to deliver energy and greenhouse gas savings at low cost.<br/>This international conference will bring together public and private sector stakeholders to share experiences in the design and operation of their compliance activities.</p>   |  <p>Efficient Electrical End-Use Equipment<br/>International Energy Agency</p> <p><a href="http://www.iea-4e.org">www.iea-4e.org</a></p> |
| 8 | <p>The Austrian Energy Agency is organizing <b>trainings for energy efficient production</b> in September/October 2010 in Salzburg, Austria. The trainings are intended for energy consultants and consist of two modules. For more information visit the related klima:aktiv website or contact Marcus Hoffmann.</p>  | <p><a href="http://www.klimaaktiv.at">www.klimaaktiv.at</a><br/><a href="mailto:marcus.hofmann@energyagency.at">marcus.hofmann@energyagency.at</a></p>   |

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| <b>EMSA</b> |  |  |
| 9           | <p>EMSA works at present according to the seven <b>Tasks shown to the right</b>. We have also started Task D on "Instruments for a Coherent Motor Policy" this year.</p> <p>For more information on EMSA and for contact details of the Task Leaders go to the official EMSA website: <a href="http://www.motorsystems.org/contact">www.motorsystems.org/contact</a></p> | <ul style="list-style-type: none"> <li><b>A</b> Implementation support&amp;outreach</li> <li><b>B</b> Technical guide for motor systems</li> <li><b>C</b> Testing centres</li> <li><b>D</b> Coherent motor policy</li> <li><b>E</b> Training &amp; capacity building</li> <li><b>F</b> Energy management in industry</li> <li><b>G</b> New motor technologies</li> </ul> |
| 10          | <p><b>Testing Centres Network</b><br/>Australia (Department of Climate Change and Energy Efficiency) has started the Testing Centres Network of EMSA. If you want to join, please contact directly Sarah Hatch by e-mail: <a href="mailto:sarah.hatch@environment.gov.au">sarah.hatch@environment.gov.au</a></p>   |    |
| 11          | <p><b>New Motor Technology</b><br/>The United Kingdom (Defra Department for the Environment, Food &amp; Rural Affairs) has started to build up a group of international experts to advise on new motor</p>   | <p><a href="mailto:charles.gaisford@wspgroup.com">charles.gaisford@wspgroup.com</a></p>  |

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|    | technology, on standardization needs and on creating Minimum Energy Performance Standards (MEPS). If you are interested in joining contact the Task Leader Charles Gaisford by e-mail.  |  |
| 12 | A <b>summary of IEC standards</b> on rotating electrical machines is now available on the <b>EMSA website</b> . A preview of all published standards can be downloaded. The list of relevant standards (published and in development) will be continuously updated. | <a href="http://www.motorsystems.org/iec-standards">www.motorsystems.org/iec-standards</a> |

| News |  |   |
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| 13   | <p>China publishes a revised electric motor standard GB 18613 that includes now MEPS for the following IEC 60034-30 classes:</p> <ul style="list-style-type: none"> <li>• IE2 High Efficiency (until 2011)</li> <li>• IE3 Premium Efficiency (until 2015)</li> <li>• and IE4 Super Premium Efficiency (voluntary target)</li> </ul> <p>In parallel the testing Standard GB/T 1032 will be revised to be coordinated with IEC 60034-2-1 ("Low Uncertainty"). If you would like to know more please contact China National Institute of Standardization CNIS in Beijing.</p> | <p><a href="http://en.cnis.gov.cn/zyyh/nxbs">http://en.cnis.gov.cn/zyyh/nxbs</a></p>    |
| 14   | <p><b>India</b> is working on updating its motor standards to comply with IEC testing and energy efficiency classes.</p> <p>If you want to hear more: contact the Indian Bureau of Energy Efficiency BEE in Delhi <a href="http://www.bee-india.nic.in">www.bee-india.nic.in</a></p>   |   |
| 15   | <p><b>New European regulation on fans</b></p> <p>The EC Regulatory Committee on fans has reviewed and accepted the Working Document on 11 June 2010 in Brussels, according to which fans from 125 W - 500 kW will have mandatory MEPS from 2012 (first phase) and 2015 (second phase). Final legislative acceptance is expected to occur in the coming three months.</p> <p>If you are interested and would like to receive a copy of the Working Document send an e-mail to <a href="mailto:cub@cub.ch">cub@cub.ch</a></p>  |   |
| 16   | <p>The following IEC Standards were published and are available now at IEC:</p> <ul style="list-style-type: none"> <li>• IEC 60034-1 Rating and performance</li> <li>• IEC 60034-2-2: Specific methods for determining separate losses of large machines from tests (Supplement to IEC 60034-2-1)</li> <li>• IEC 60034-31 Selection of energy-efficient motors including variable speed applications - Application guide.</li> </ul>   | <p>Preview: <a href="http://www.motorsystems.org/iec-standards">www.motorsystems.org/iec-standards</a></p>  <p>Purchase: <a href="http://webstore.iec.ch/">http://webstore.iec.ch/</a></p> |
| 17   | <p>The concluding discussion on the draft report of the IEC <b>Round Robin</b> motor testing program in IEC TC2/WG28 in Passau Germany was postponed to September 2010 due to the interruption of air travel in April 2010 in Europe. In the planned revision of IEC 60034-2-1 accuracy and repeatability will be improved.</p>  | <p>If you would like to be informed on the upcoming Round Robin report send an e-mail to <a href="mailto:cub@cub.ch">cub@cub.ch</a></p>   |

If you have any questions please feel free to ask. If you are running a national motor efficiency program: Tell us!

Best regards from Zurich Switzerland

Conrad U. Brunner & Rita Werle

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**EMSA is the Electric Motor Systems Annex of the International Energy Agency IEA Implementation Agreement on Efficient Electrical End-Use Equipment 4E. Currently Australia, Austria, Denmark, Netherlands, United Kingdom and Switzerland participate actively in EMSA together with Canada, France, Korea and USA in 4E.**

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