



Despite the tough economic situation, the year 2009 offers a lot of exiting events, conferences and projects which we would like to share with you.

Enjoy reading!

In this issue:

- ➔ New Design for Helzel Homepage
- ➔ New Features for WERA Components
- ➔ IEEE Oceans Bremen, Germany
- ➔ ROW 2009
WERA User Group Meeting in Split, Croatia
- ➔ Making Sense of Wave Energy
(survey conducted by Seaview Sensing Ltd. and Wave Energy Today)
- ➔ EU – Marine Observation and Data Network
- ➔ Review on ROS 2008 and Ocean Business 2009
- ➔ WERA Operators Seminar 2009

WERA at CONFERENCES & EVENTS

IEEE Oceans Bremen, Germany

May 11th – 14th, 2009

Bremen, Germany

<http://www.oceans09ieeebremen.org/>

ROW 2009, Split, Croatia

9th International Radiowave

Oceanography Workshop

May 19th – 22nd, 2009

Split, Croatia

<http://radiowaveoceanography.org>

WERA User Group Meeting, Split, Croatia

May 22nd, 2009

Split, Croatia

<http://www.helzel-messtechnik.de/files/432/upload/WUG-2009.pdf>

IRS 2009

International Radar Symposium

September 9 – 11, 2009

Hamburg, Germany

<http://www.irs-2009.de/>

Oceans Biloxi

October 26th – 29th, 2009

Biloxi, Mississippi, USA

<http://www.oceans09mtsieeebiloxi.org/>

New Design for Helzel Homepage



We are proud to present the new design of our Helzel Homepage!

Simply visit the familiar domain and enjoy the new appearance:

www.helzel.com

New Features for WERA Components

Power Supply Rack (PSR) Version 4.0

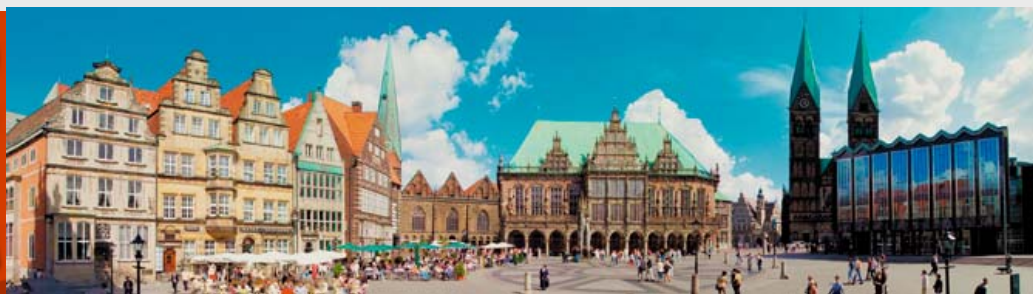
- Individual power supply control for each system rack module
- System energy savings up to 40% by special software

Power Amplifier (PA) Rack Version 1.0

- Power output up to 100 Watts (to compensate cable loss)
- Active heat-sink cooling
- User-friendly adjustable amplification (20 – 41 dB) at front-panel, step-size 3 dB
- Power meter at front-panel (LED indication)
- Remote access and control (amplification adjustable, stand-by, error detection, reset)



WERA Power-Amplifier



You can meet Helzel Messtechnik GmbH with WERA at IEEE Oceans 09
May 11 – May 14, 2009 at booth 75.

The international OCEANS '09 conference and exhibition will be held in Bremen, Germany. The world's leading conference and exhibition in ocean science, engineering, technology and management is organised for more than 30 years by the Ocean Engineering Society of the IEEE, the world's largest engineers' association. OCEANS '09 addresses scientists, engineers and representatives from authorities and companies, which are active in marine research and technological development. The main topics cover new methods and technologies in ocean exploration. Please note that the exhibition is open for visitors (including people not attending the conference) free of charge after registration at the entrance. To convince yourself of the variety of applicational use of the WERA Remote Ocean Sensing System, e.g.

- Search & Rescue Operations
- Port authorities
- Scientists and Met-offices
- Environmental Protection
- Fishing Industry
- Off-shore installations
- Homeland Security
- Tourism Industry

our Helzel Team will be available for discussions at booth 75 at the Bremen Congress and Exhibition Center. For appointments with Thomas Helzel, please e-mail to helzel@helzel.com

We would be pleased to welcome you to Bremen!

For additional information on the conference, please visit the official website <http://www.oceans09ieeebremen.org/index.cfm>



Bremen Musicians



Marum, Bremen

Partners at our booth no 75:





9th International Radiowave Oceanography Workshop May 19 - 22, 2009 in Split, Croatia

We would like to draw your attention to the above mentioned workshop hosted by Institute of Oceanography and Fisheries in Split, Croatia and L' Istituto Nazionale di Oceanografia e di Geofisica Sperimentale (OGS), Trieste, Italy.

The mission of the working group is

- To foster collaboration between new and experienced HF radar operators
- To develop procedures governing HF radar operations including site logistics, processing to component vectors and total vector products and data management
- To provide recommendations to users, developers, manufacturers and program managers

This is an excellent opportunity to get the individuals who work with HF radar systems and data on a daily basis together to prioritize issues and identify solutions.

Details could be found on the ROW community webpage <http://radiowaveoceanography.org>

Following the International Radiowave Oceanography Workshop ROW 09, Helzel Messtechnik will organise the

WERA User Group Meeting (May 22, 2009)

Please note that there is no extra registration fee for the WERA User Group meeting. For organisational purposes, please register for this meeting by fax or e-mail. Main topics on the agenda are:

- Introduction of new software features, operation modes and hardware
- Open discussion and experience exchange of WERA users
- Goals for future projects

You can find the invitation, registration form and agenda on our homepage or directly under <http://www.helzel-messtechnik.de/files/432/upload/WUG-2009.pdf>

Making Sense of Wave Energy

A recent survey conducted by our partner Seaview Sensing Ltd. in association with Wave Energy Today has revealed some interesting insights into the wave energy market.

A massive 72% of the 246 participants thought they needed to learn more about waves, the reasons given were varied including “Buoy data are not extensive enough nor are data sets complete nor standardised, to optimise the weather window for installation activities”, “Poor access to accurate data”, “A whole host of reasons ranging from wave energy, wave shadowing, flood defence, coastal erosion”, “to evaluate energy yield from sites we need wave data”.



Participants were from all over the world with the US ranking as the country with the most wave energy interest closely followed by Continental Europe and the UK. In terms of industry issues funding is seen to be the biggest issue.

Interestingly 35 respondents thought political will was the biggest issue. Respondents listing this issue were based predominantly in the US and UK with other respondents from across the World including Spain, The Netherlands, Pakistan, Portugal, Holland and Denmark.

Political will was very closely followed by grid connection. Tellingly contacts listing grid connection as the main issue were also based predominantly in the UK with others in the US, Italy, Canada, The Netherlands and Taiwan.

A number of participants pointed out that uncertainty in the industry is the biggest issue.

For further information on the survey or on Seaview Realtime Software please contact judithpigg@seaviewsensing.com or www.seaviewsensing.com

EMODNET – EU call for consultation

“There is a general consensus that marine data collected with public funding are not being exploited to their full potential. A number of reasons for this have been identified – poor knowledge of what is available, difficult access conditions, limitations on re-use, high costs, little coherence, unknown quality and insufficient spatial or temporal resolution.

The EU's Maritime Policy Blue Book, welcomed by the European Council in December 2007, undertook to take steps towards a **European Marine Observation and Data Network** that would progressively improve matters.” This is an abstract of the EU homepage regarding EMODNET.

There is an invitation for public discussion under:

http://ec.europa.eu/maritimeaffairs/consultation_emodnet_en.html

ROS 2008 – to be repeated soon

Successful 1st International Remote Ocean Sensing Workshop ROS 2008
at the FTZ in Büsum, Germany

The positive feedback of the participants of the 1st International Workshop at the German Northsea Coast from October 30 – 31, 2008 made this workshop a successful event for the FTZ Research and Technology Center Westcoast in Büsum which was sponsored and organized by Helzel Messtechnik GmbH.



Offering potential stakeholders the opportunity to exchange and discuss operational and scientific uses of Radio Oceanography (HF and MW radar technology) as well as acoustic profilers, more than 30 participants from German and International Institutes and Research Centers used this chance to meet at the Research Center to discuss on extended applications of Remote Ocean Sensing for renewable energies, environmental & economic activities and shipping security.

Should you be interested in the workshop proceedings and papers, please send an e-mail to Birgit Hansen under hansen@helzel.com

If you are interested to be host for a similar or the next ROS workshop, please contact us soon as plannings for the next ROS workshop are on their way.

WERA, Seaview Sensing and OceanWaves exhibited at the Ocean Business Event in Southampton, UK. There were over 200 exhibitors and hundreds of visitors over the 3 days. Staff on the stand explained to visitors how the Seaview software adds real value to the WERA system, the features it provides in addition to the standard WERA software are:

- Full directional wave spectrum measured at each grid point
- Verified accuracy of wave and current measurements
- Professional on-site installation and training
- Data viewer which allows easy access to the met-ocean data locally or online
- Data quality control & system performance monitoring
- Support services



If you did not get a chance to visit the stand and would like further information contact info@seaviewsensing.com or visit www.seaviewsensing.com

If you already have a wera HF radar you may qualify for a free trial of the seaview software. Contact judithpigg@seaviewsensing.com for further details.

WERA Operators Seminar 2009 - Announcement -

The next WERA Operators Seminar 2009 at Helzel Messtechnik and the WERA site at the North Sea Coast in Büsum will be held in autumn:

September 28 – October 2, 2009

Detailed information will be available shortly under News and Events on our new homepage.

Should you have any questions regarding the seminar, please contact Birgit Hansen under hansen@helzel.com

Please block this date in your schedule in time.



WERA "Class" 2008