

Dear Colleagues,

Almost one month has already passed from the Photocatalysis 2014 conference in Praha.

That conference was a little different as it was mainly focused on application and commercialization of photocatalytic products and problems that companies are facing. Photocatalysis needs reliable and good system of international standards, product certificates and performance testing, verified by field tests. These are one of the keys to succeed. For that, international collaboration is very important.

We are glad we took the opportunity of bringing several meetings together (ISO meeting of TC 206 having WG 9 for photocatalysis, European Photocatalytic Federation (EPF ) annual meeting, Photocatalytic Industry Association (PIAJ)–EPF meeting, as well as inviting representatives from CEN TC 386 for photocatalysis) with the experts for environmental chemistry discussing all existing problems openly.

Our special thanks to participants pointing to the existing barriers in the field, which need to be solved.

I learned from your presentations that:

- there are still many air purifying systems and products on the market that do not meet basic criteria and certification according to proposed CEN and ISO standards are essential.
- field testing projects are extremely important proving the function under real condition demonstrating and guarantee the life time of photoactive surfaces
- field testing is the most important to convince governmental authorities about real performance of Photocatalytic

technologies. We need to join projects with experts from other field to be convincing providing realistic performance figures.

I hope, you enjoyed the conference and tradition of these topical meeting will continue in the future.

Best regards

Dr.František Peterka

CAAP President

*With your permission we are placing the available presentations on the Czech Association of Applied Photocatalysis (CAAP) web.*

Conclusion from topical conference Photocatalysis Praha,

3-4.September 2014

1. It was considered as very unique opportunity that several experts from all over the world could meet together in order to discuss problems companies active on the field are facing.

- It was believed that because of ISO TC 206 - WG 9 meeting several Asian countries would join, unfortunately only Japanese colleagues attended. WG9 was also attended by one expert from Malaysia and one expert from South Korea, these apologized due to lack of companies' activities.
  - Several European experts attended mainly because of EPF general assembly meeting
2. The selected presentation were focused to general introduction of activities and strategies of two leading federations as EPF and PIAJ according to membership
  3. Then another presentation were explaining systems of ISO and CEN standardization, effort for certification and field testing.
  4. Several companies from Europe and Japan explained their achievements as well as problems.
  5. It became evident that in Europe standards and product certificates are important , but to win trust in photoactive material performance ,special in environmental cleaning the field testing is the most important to convince governmental organization
  6. Japanese –PIAJ system is well advanced, but can hardly be accepted by European companies as it is. Anyhow that system can serve as guidance.
  7. Crucial points in designing certificates for different products seems to be decision making about technical performance criteria's level based on existing standard testing . Those criteria's are influenced by manufacturer as well as customer's side. Another key issue is product safety and responsibility of organization, which shall be involved in it. Recognition of standards in individual European countries and EU is another problem.
  8. Eg. CAAP already decided to introduce national certificates for antibacterial products, interior and exterior coating and air purification systems. Cooperation with FAP ,PIAJ is of course helpful and welcomed
  9. It is evident that involvement of experts from another fields is very important to reach realistic picture about performance of photoactive materials in the field . For that eg. Dr.Joerg Klefmann was invited and his lecture presented in Centre for nanomaterials in Liberec on 5.9. was very educative . Japanese experts as Dr.Koji Takeuchi also took part .
  10. Cooperation on the field and giving true picture is necessary .It would be good to continue in these topical conferences , to become tradition