Dr.Dr. rer. net. Reda Chellali

Max-Planck-Straße 9, 76344 Eggenstein-Leopoldshafen, Germany, Tel: +4915732895590, Email: reda.chellali@partner.kit.edu

Curriculum Vitae

Personal Information

Date of birth: **30/01/1982**
Place of birth: **Oran**
Citizenship: **German**
Marital status: **Married**

Employment Experience

07/2016-06/2023 **Karlsruhe - Germany**
Researcher
Karlsruhe Institute of Technology (KIT)
Institute of Nanotechnology (INT)

04/2015-06/2016 **Trnava - Slovakia**
Postdoctoral fellow & Lecturer
Faculty of Materials Science and Technology
Slovak University of Technology

04/2013-10/2013 **Rouen - France**
Postdoctoral fellow
Groupe de Physique des Matériaux & Electricity of France (EDF)
University of Rouen

11/2013-01/2015 **Oran - Algeria**
Researcher-Teacher Assistant
University of Oran-1 Ahmed Ben Bella
Laboratory of Environmental Sciences and Materials studies

Teaching Experience

11/2016-06/2023 **Trnava - Slovakia**
Teacher Assistant - Materials science I & II
Bachelor of Science: Mechanical Engineering
Karlsruhe Institute of Technology (KIT)

11/2013-2/2015 **Oran - Algeria**
1. Lead several seminars for undergraduates in the Materials Science.
2. Mentored undergraduate students in data collection and analysis the properties of materials.
3. Guided the students in preparation and presentation of research findings.

University of Oran-1 Ahmed Ben Bella

2006-2007 **Oran - Algeria**
Lecturer – Mathematical Analysis
Dept. of Management & Economics - University of Oran Es-Senia

2005-2007 **Oran - Algeria**
Lecturer – Classical Mechanics
Dept. of Physics - University of Oran Es-Senia

Education

2009-2013 **Münster - Germany**
PhD in Materials Physics
University of Münster - Institute of Materials Physics
Thesis title: Segregation in Nanocrystalline Nickel-Copper System

2008-2013 **Oran - Algeria**
Doctor degree in Environmental Sciences and Climatology
University of Oran Es-Senia
Thesis title: Artificial Neural Network Models for Prediction of Particulate matter concentrations

2007-2008 **Oran - Algeria**
Technical English
University of Continuing Education

2005-2008 **Oran - Algeria**
Magister (Eq. **Master**) **in Biophysics Mathematics**
University of Oran Es-Senia - Laboratory of Biophysics Mathematics & Simulation
Thesis title: on mathematical modelling of genetic code

2001-2005 **Oran - Algeria**
High Study Diploma in Radiation Physics
University of Oran Es-Senia
Project: gamma and x-ray detector

June 2000 **Oran - Algeria**
General Certificate of Education (Baccalaureate)

Scientifics Activities

Publications

1. **M.R. Chellali**, S.H. Nandam, H. Hahn. *Deformation-Induced Chemical Inhomogeneity and Short-Circuit Diffusion in Shear Bands of a Bulk Metallic Glass.* ***Physical Review Letters (2020)***, *125, 205501*. https://journals.aps.org/prl/abstract/10.1103/PhysRevLett.125.205501 **-Impact Factor (IF): 9,16-**

2. **M.R. Chellali**, Z. Balogh, H. Bouchikhaoui, R. Schlesinger, P. Stender, L. Zheng, G. Schmitz. *Triple Junction Transport and the Impact of Grain Boundary Width in Nanocrystalline Cu*. **Nano Letters (2012),** 12 (7), pp 3448-3454. http://pubs.acs.org/doi/abs/10.1021/nl300751q **-IF: 12,34-**

3. X. Mu, **M.R. Chellali (equal contribution),** E. Boltynjuk, D. Gunderov, R. Valiev, H. Hahn, C. Kübel, J. Ivanisenko, L. Velasco. *Unveiling the local atomic arrangements in the shear band regions of metallic glass*. **Advanced Materials** 19 **(2021)** https://onlinelibrary.wiley.com/doi/full/10.1002/adma.202007267 **-IF: 30,84-**

4. X. Ye, H.K. Singh, H. Zhang, H. Geßwein, **M.R. Chellali**, R. Witte, A. Molinari, K. Skokov, O. Gutfleisch, H. Hahn, R. Kruk. *Giant voltage-induced modification of magnetism in micron-scale ferromagnetic metals by hydrogen charging*. **Nature Communications (2020)**, 11, 4849. https://www.nature.com/articles/s41467-020-18552-z -IF: 14,91-

5. A. Sarkar, Q. Wang, A. Schiele, **M.R. Chellali**, S.S. Bhattacharya, B. Breitung, H. Hahn, L. Velasco, B. Breitung. *High Entropy Oxides: Fundamental Aspects and Electrochemical Properties.* **Advanced Materials (2019)**, 31, 1806236. https://doi.org/10.1002/adma.201806236 --IF: 30,84-

6. X. Ye, F. Ya, L. Schäfer, D. Wang, H. Geßwein, W. Wang, **M.R. Chellali**, L.T. Stephenson, K. Skokov, O. Gutfleisch, D. Raabe, H. Hahn, B. Gault, R. Kruk. *Magnetoelectric Tuning of Pinning-Type Permanent Magnets through Atomic-Scale Engineering of Grain Boundaries*. **Advanced Materials (2020)** https://doi.org/10.1002/adma.202006853 -IF: 30,84-

7. C. Molina-Jirón, **M.R. Chellali**, S.K.C. Neelakandhan, C. Kübel, L. Velasco, H. Hahn, E. Moreno-Pineda, M. Ruben. Direct Conversion of CO_2 to Multi-Layer Graphene using Copper-Palladium Alloys. **ChemSusChem (2019),** 12, pp 3509-3514. https://onlinelibrary.wiley.com/doi/abs/10.1002/cssc.201901404 **-IF: 8,92-**

8. **M.R. Chellali**, A. Sarkar, S.H. Nandam, S.S. Bhattacharya, B. Breitung, H. Hahn, L. Velasco. *On the homogeneity of high entropy oxides: An investigation at the atomic scale.* **Scripta Materialia** 166 **(2019)** pp. 58-63. https://doi.org/10.1016/j.scriptamat.2019.02.039 -IF: 5.61-

9. **M.R. Chellali**, S.H. Nandam, S. Li, M.H. Fawey, E. Moreno-Pineda, L. Velasco, T. Boll, L. Pastewka, R. Kruk, P. Gumbsch, H. Hahn. *Amorphous Nickel nanophases inducing ferromagnetism in equiatomic Ni-Ti alloy*. **Acta Materialia** 161 **(2018)** pp. 1-11. https://doi.org/10.1016/j.actamat.2018.09.019 -IF:8,20-

10. S.H. Nandam, Y. Ivanisenko, R. Schwaiger, Z. Śniadecki, X. Mu, D. Wang, **R. Chellali**, T. Boll, A. Kilmametov, T. Bergfeldt, H. Gleiter, and H. Hahn. *Cu-Zr nanoglasses: atomic structure, thermal stability and indentation properties*. **Acta Materialia** (**2017**), 136:181-189. Doi :10.1016/j.actamat.2017.07.001 **-IF:8,20-**

11. C. Wang, X. Mu, **M.R. Chellali**, Askar Kilmametov, Y. Ivanisenko, H. Gleiter, H. Hahn. *Tuning the Curie temperature of $Fe_{90}Sc_{10}$ nanoglasses by varying the volume fraction and the composition of the interfaces*. **Scripta Materialia** 159 **(2018)**, 109-112 https://doi.org/10.1016/j.scriptamat.2018.09.025 -IF: 5.61-

12. A. Benes, A. Molinari, R. Witte, R. Kruk, J. Brötz, **M.R. Chellali**, H. Hahn 1,2 and Oliver Clemens. *Proton Conduction in Grain-Boundary-Free Oxygen-Deficient BaFeO2.5+δ Thin Films*. **Materials** 11 (**2018**) 52. https://doi.org/10.3390/ma11010052 -IF: 3,62-

13. S.H. Nandam, O. Adjaoud, R. Schwaiger, Y. Ivanisenko, **M.R. Chellali**, D. Wang, K. Albe, H. Hahn**.** *Influence of topological structure and chemical segregation on the mechanical properties of Pd-Si nanoglasses* **Acta Materialia (2019)**, 193, Pages 252-260. https://www.sciencedirect.com/science/article/abs/pii/S1359645420302081 **-IF:8,20-**

14. J.A. Bahena, J.S. Riano, **M.R. Chellali**, T. Boll, A.M.Hodge. *Thermally Activated Microstructural Evolution of Sputtered Nanostructured Mo-Au.* **Materialia** (2018). https://doi.org/10.1016/j.mtla.2018.09.019 **-IF: 3.44-**

15. **M. R. Chellali**, L. Zheng, R. Schlesiger, B. Bakhti, A. Hamou, J. Janovec, G. Schmitz. *Grain boundary segregation in binary Nickel-Bismuth alloy.* **Acta Materialia** 103 **(2016)** 754-760. http://www.sciencedirect.com/science/article/pii/S1359645415300549 -IF:8,20-

16. **M. R. Chellali**, Z. Balogh, G. Schmitz. *Nano-analysis of grain boundary and triple junction transport in nanocrystalline Ni/Cu.* **Ultramicroscopy** Vol 132 **(2013)** PP 164-170. http://www.sciencedirect.com/science/article/pii/S0304399112002896 -IF:2,68-

17. Z. Balogh, C. Oberdorfer, **M.R. Chellali**, P. Stender, S. Nowak, G. Schmitz. *Defect analysis by statistical fitting to 3D atomic maps.* **Ultramicroscopy** Volume 132 **(2013)** Pages 86-91. http://www.sciencedirect.com/science/article/pii/S0304399113000090 -IF:2,68-

18. Z. Balogh, P. Stender, **M.R. Chellali**, G. Schmitz. *Investigation of Interfaces by Atom Probe Tomography.* **Metallurgical and Materials Transactions A (2013**) Volume 44 Issue 10 pp 4487-4495. http://link.springer.com/article/10.1007/s11661-012-1517-6 -IF:1,985-

19. L. Zheng, G. Schmitz, Y. Meng, **M.R. Chellali**, R. Schlesiger. *Mechanism of Intermediate Temperature Embrittlement of Ni and Ni-based Superalloys*. **Crit. Rev. Solid State Mater. Sci.** 37, 181 **(2012)**. http://www.tandfonline.com/doi/abs/10.1080/10408436.2011.613492 -IF:10,63-

20. G. Schmitz, D. Baither, Z. Balogh, **M. R. Chellali**, G-H. Greiwe, M. Kasprzak, C. Oberdorfer, R. Schlesiger, P. Stender. *Physics on the Top of the Tip: Atomic Transport and Reaction in Nano-Structured Materials*. **Defect and Diffusion Forum** 323-325 **(2012)** pp 3-10. http://www.scientific.net/DDF.323-325.3 -IF: **0.66-**

21. Z. Balogh, P. Stender, **M.R. Chellali**, G. Schmitz. ***Interfaces, Grain Boundaries and Triple Junctions in Metallic Multilayers***, AIP Conference Proceedings, American Institute of Physics, Ste. 1 NO 1 Melville NY 11747-4502 United States **(2012) -IF: pending-**

22. L. Zheng, M. Zhang, **M.R. Chellali**, H. Bouchikhaoui, J. Dong. *Oxidation property of powder metallurgy EP741NP Ni based superalloy at elevated temperatures*. **Materials Technology** Vol 28, No 3 **(2013)** pp. 122-128(7). https://www.tandfonline.com/doi/abs/10.1179/1753555712Y.0000000030 -IF:3,84-

23. I. Arbaoui, A. Hamou, H. Abderrahim, **M. R. Chellali**. *Inter-comparison of noise pollution in Oran (Algeria): urban and industrial areas.* **J. Mater. Environ. Sci**. 9 **(2018)** Page 1-10 **-IF:0.65-**

Scientifics Activities

24. L. Zheng, R. Schlesiger, **M.R. Chellali**, D. Baither, G. Schmitz. *Investigation on the relationship between intermediate temperature embrittlement and intergranular precipitate in Ni(Bi) alloy*. **Materials and Design** 34 **(2012)** 155-158. http://www.sciencedirect.com/science/article/pii/S0261306911005425 -IF:7,99-

25. **M.R. Chellali**, Z. Balogh, L. Zheng, G. Schmitz. *Triple junction and grain boundary diffusion in the Ni/Cu system*. **Scripta Materialia** 65 4 **(2011)** 343-346. http://www.sciencedirect.com/science/article/pii/S1359646211002636 -IF: 5.61-

26. M. Boudinar, M. Adjdir, A. Bendraoua, M. Hadjel, C.K. Bendeddouche, **M.R Chellali**, H. Benhaoua, H. Marita, P. Weidler. *Solidification and stabilization of heavy metal recovered from hydrometallurgical industry waste in the MCM-41nanomaterial framework synthesized from raw Bentonite*. **Environmental Nanotechnology, Monitoring & Management** 8 (2017) 268-272 https://doi.org/10.1016/j.enmm.2017.10.002 -IF:5,95-

27. Z. Balogh, **M.R. Chellali**, G-H Greiwe, G. Schmitz, Z. Erdélyi. *Interface sharpening in miscible Ni/Cu multilayers studied by atom probe tomography*. **Applied Physics Letters** 99 **(2011)** 181902. http://scitation.aip.org/content/aip/journal/apl/99/18/10.1063/1.3658390 -IF: 4,19-

28. L. Zheng, **M.R. Chellali**, R. Schlesiger, D. Baither, G. Schmitz. *Intermediate temperature embrittlement in high-purity Ni and binary Ni(Bi) alloy*. **Scripta Materialia** 65 **(2011)** 428-431. http://www.sciencedirect.com/science/article/pii/S1359646211003071 -IF: 5.61-

29. L. Zheng, M. Zhang, **M.R. Chellali**, J. Dong. *Intermediate temperature embrittlement in high-purity Ni and binary Ni(Bi) alloy*. **Applied Surface Science** 257 **(2011)** 9762-9767. http://www.sciencedirect.com/science/article/pii/S1359646211003071 -IF: 6,70-

30. L. Zheng, **M.R. Chellali,** R. Schlesiger, Y. Meng, D. Baither, G. Schmitz. *Non-equilibrium grain-boundary segregation of Bi in binary Ni(Bi) alloy*. **Scripta Materialia** 68 **(2013)** 825-828. http://www.sciencedirect.com/science/article/pii/S1359646213000638 -IF: 5.61-

31. **M. R. Chellali**, H. Abderrahim, A. Hamou, A. Nebatti, J. Janovec. *Artificial Neural Network Models for Prediction of daily fine particulate matter concentrations in Algiers*. **Environmental Science and Pollution Research 14 (2016)** pp 14008-14017 http://link.springer.com/article/10.1007/s11356-016-6565-9?wt_mc=internal.event.1.SEM.ArticleAuthorOnlineFirst -IF: 4,30-

32. M.R. **Chellali**, A. hamou, L. Zheng, M. Adjdir. *Investigation on relationship between intermediate temperature embrittlement and intergranular precipitation in AlCoCrCuFeNi alloy*. **International Journal of Cast Metals Research** 27, 4.(2014).pp 199-201. http://www.maneyonline.com/doi/abs/10.1179/1743133613Y.0000000089 **-IF:0.987-**

33. Z. Balogh, **M.R. Chellali**, P. Stender, and G. Schmitz. *Concentration Dependence of the Diffusion in the Ni/Cu System*. **Defect and Diffusion Forum** Vol. 353 **(2014)** pp. 177-182. http://www.scientific.net/DDF.353.177 -IF: **0.483-**

34. L. Zheng, **M.R. Chellali**, R. Schlesiger, Y. Meng, D. Baither, G. Schmitz. *Identical mechanism of isochronal and isothermal embrittlement in Ni(Bi) alloy: Thermo-induced non-equilibrium grain-boundary segregation of Bi*. **Applied Surface Science** 337 **(2015)** 90-104. http://www.sciencedirect.com/science/article/pii/S0169433215003724 -IF: 6,70-

35. A. Tayeb, **M.R. Chellali**, A. Hamou, S. Debbah. *Impact of urban and industrial effluents on the coastal marine environment in Oran, Algeria*. **Marine Pollution Bulletin** 98 **(2015)** pp. 281-288. doi:10.1016/j.marpolbul.2015.07.013 http://www.sciencedirect.com/science/article/pii/S0025326X15004336 -IF: **6.49-**

36. A. Hamza**, M.R. Chellali,** A. Hamou. *Forecasting PM_{10} in Algiers: efficacy of multilayer perceptron networks*. **Environmental Science and Pollution Research** 23 **(2016)** pp 1634-1641. http://link.springer.com/article/10.1007/s11356-015-5406-6 -IF: 5,03-

37. A. Beloufa, B. Bakhti, D. Bouguenna, **M.R. Chellali**. *Computational investigation of CrFeZ [Z = Si, Sn and Ge] half Heusler compounds ferromagnets*. **Physica B: Condensed Matter** 563 **(2019)** pp 50-55 https://www.sciencedirect.com/science/article/pii/S0921452619302017 -IF: 2,43-

38. S. Bag, A. Baksi, D. wang, R. Kruk, C. Benel, **M.R. Chellali**, D. Wang, R. Kruk, G. Iankovich, H. Hahn. Combination of pulsed laser ablation and inert gas condensation for the synthesis of nanostructured nanocrystalline, amorphous and composite materials. **Nanoscale Advances** 1 **(2019)** 4513-4521 https://pubs.rsc.org/en/content/articlehtml/2019/na/c9na00533a -IF: 4.55-

39. S.P. Singh, **M.R. Chellali**, L. Velasco, Y. Ivanisenko, H. Gleiter, H. Hahn. *Deformation-induced atomic rearrangements and crystallization in the shear bands of a $Tb_{75}Fe_{25}$ nanoglass alloy*. **Journal of Alloys and Compounds** 25 (2020) 153486 https://www.sciencedirect.com/science/article/abs/pii/S0925838819347322 -IF: 5,31-

40. A. Baksi, S.H. Nandam, D. Wang, R. Kruk, M.R. Chellali, J. Ivanisenko, I. Gallino, H. Hahn, S. Bag. *$Ni_{60}Nb_{40}$ Nanoglass for Tunable Magnetism and Methanol Oxidation*. **ACS Applied Nano Materials (2020)**, 3, 7, 7252-7259. https://pubs.acs.org/doi/abs/10.1021/acsanm.0c01584 **-IF: 5.09-**

41. C.P. Mejía Villagrán; **M.R. Chellali**, C.M. Garzón, J.J. Olaya, H. Hahn, L. Velasco. *Effect of discharge current on the corrosion resistance and microstructure of ZrTiSiN coatings deposited by magnetron co-sputtering*. **Materials Today Communications** 26 **(2021)** 102151 https://www.sciencedirect.com/science/article/abs/pii/S2352492821001434 **-IF:3,38-**

42. S. Taheriniya, F.A. Davani, S. Hilke, M. Hepp, C. Gadelmeier, **M.R. Chellali**, T. Boll, H. Rösner, M. Peterlechner, C. Gammer, S.V Divinski, B. Butz, U. Glatzel, H. Hahn, G. Wilde. *High entropy alloy nanocomposites produced by high pressure torsion*. **Acta Materialia** 208 **(2021)** 116714. https://www.sciencedirect.com/science/article/abs/pii/S135964542100094X **-IF:8,20-**

43. A.D. Dupuy, **M.R. Chellali**, H. Hahn, J.M. Schoenung *Multiscale phase homogeneity in bulk nanocrystalline high entropy oxides*. **Journal of the European Ceramic Society** 41 **(2021)** 4850-4858. https://www.sciencedirect.com/science/article/abs/pii/S0955221921001965 **-IF: 5,3-**

44. M. Mohri, **M.R. Chellali**, D. Wang, J. Ivanisenko. *Evaluation of Microstructure, Mechanical and Thermal Properties of Ti–Zr–Pd–Cu and Ti–Zr–Pd–Cu–Bi Nanoglass Thin Films*. **Metals and Materials International** 252 **(2021**). https://link.springer.com/article/10.1007/s12540-021-01051-1 **-IF: 3,64-**

45. A.S. Kadari, A. Nebatti Ech-Chergui, S.K. Mukherjee, L. Velasco, R.K. Singh, M.W. Mohamedi, E. Akyildiz, A. Zoukel, K. Driss-Khodja, B. Amrani, **M.R. Chellali**. *Atomic mapping of Li:ZnO thin films and its spectroscopic analysis*. **Inorganic Chemistry Communications** 132 **(2021)** 108852. https://www.sciencedirect.com/science/article/abs/pii/S138770032100407X **-IF: 3,17-**

46. T. Benmessabih, B. Bakhti, **R. Chellali**. *Thermodynamics of interacting hard rods on a lattice*. **Brazilian Journal of Physics** 52 **(2022)** 132. https://doi.org/10.1007/s13538-022-01133-4 **-IF: 1,36-**

Scientifics Activities

47. S. Tair, A.S. Kadari, A. Nebatti Ech-Chergui, S.K. Mukherjee, A. Boukhachem, R.K. Singh, N. Benaioun, M. Guezzoul, **M.R. Chellali**, A. Zoukel, F. Boussahoul, K. Driss-Khodja, B. Amrani. *Structural and Compositional Analyses of Spray Pyrolysis α-Lanthanum Sulphide (α-La_2S_3) Thin Films*. **Brazilian Journal of Physics** 52 **(2022)** 207. https://doi.org/10.1007/s13538-022-01206-4 **-IF: 1,36-**

48. S.P. Singh, **M.R. Chellali**, T. Boll, H. Gleiter, H. Hahn. *Nano-alloying and nano-chemistry of the immiscible elements Fe and Cu in a FeSc–Cu nanoglass*. **Materials Advances (2023)**. 10.1039/D3MA00167A **-IF: --**

49. A.D. Dupuy, **M.R. Chellali**, H. Hahn, J.M. Schoenung. *Nucleation and growth behavior of multicomponent secondary phases in entropy-stabilized oxides*. **Journal of Materials Research** 38 **(2023)** 198-214. https://doi.org/10.1557/s43578-022-00784-y **-IF: 2,90-**

50. G. Iankevich, A. Sarkar, S. Katnagallu, **M.R. Chellali**, D. Wang, L. Velasco, R. Singh, T. Reisinger, R. Kruk, H. Hahn. *A New Class of Cluster–Matrix Nanocomposite Made of Fully Miscible Components*. **Advanced Materials** 35 (2023) 2208774. https://doi.org/10.1002/adma.202208774 **-IF: 30,84-**

Oral Presentations

Juin 25-29/2018 **Hong Kong**

1. **M.R. Chellali**, Nano 2018.

Juin 25-29/2018 **Hong Kong**

1. S.P Singh**, M. R. Chellali**, Nano 2018.

March 18-23/2018 **Berlin - Germany**

2. **M. R. Chellali**, German Physical Society (DPG).

May 21-25/2012 **Alabama-USA**

3. **M. R. Chellali**, Z. Balogh, G. Schmitz. 53rd International Field Emission Symposium.

March 25-30/2012 **Berlin - Germany**

4. **M. R. Chellali**, Z. Balogh, G. Schmitz. German Physical Society (DPG).

March 10-15/2013 **Regensburg - Germany**

5. **M. Ibrahim,** P. Stender, Z. Balogh, **M. R. Chellali**, G. Schmitz. German Physical Society (DPG).

March 25-30/2012 **Berlin - Germany**

6. Zoltan Balogh, **Mohammed Reda Chellali**, Gerd-Hendrik Greiwe, Guido Schmitz. German Physical Society (DPG).

March 25-30/2012 **Berlin - Germany**

7. Houari Bouchikhaoui, Patrick Stender, **Mohammed Reda Chellali**, Guido Schmitz. German Physical Society (DPG).

March 1-15/2012 **Orlando, Florida - USA**

8. Zoltán Balogh, Patrick Stender, **Mohammed Reda Chellali**, Guido Schmitz. TMS Annual Meeting & Exhibition**.**

September 12-15/2011 **Montpellier -France**

9. **Mohammed Reda Chellali**, Zoltan Balogh, Guido Schmitz. European Congress and Exhibition on Advanced Materials and Process (Euromat).

Poster Presentations

June 5-7/2013 **Rouen - France**

1. A. Hamou , **R. Chellali**. Rouen Symposium on Advanced Materials.

December 17-19/2012 **Oran - Algeria**

2. A. Hamou, **M. R. Chellali**, G. Schmitz. 2ème Rencontre Francophone sur les Matériaux Isolants.

December 17-19/2012 **Oran - Algeria**

3. **M. R. Chellali**, A. hamou, G. Schmitz. 2ème Rencontre Francophone sur les Matériaux Isolants.

May 21-25/2012 **Alabama - USA**

4. **M. R. Chellali**, L. Zheng, G. Schmitz. 53rd International Field Emission Symposium.

September 12-15/2011 **Montpellier - France**

5. L. Zheng, **M. R. Chellali**, R. Schlesiger, D. Baither, G. Schmitz. European Congress and Exhibition on Advanced Materials and Process (Euromat)

September 12-15/2011 **Montpellier - France**

6. Z. Balogh, **M. R. Chellali**, P. Stender, G. Schmitz. European Congress and Exhibition on Advanced Materials and Process (Euromat).

May 06-07/2008 **Constantine - Algeria**

7. H. Mrah, **M. R. Chellali**, R. Meghabar, M. Belbachir. The International Congress of Photocatalyse and Environment.

April 15-22/2007 **Tiaret - Algeria**

8. **M. R. Chellali**, A. E: F Djemaï. National conference of physics and its applications.

December18-20/2006 **Bechar - Algeria**

9. **M. R. Chellali**, A. E: F Djemaï. 7th National Meeting of Physics and its Applications (CNPA).

November 18-20,2006 **Oran - Algeria**

10. **M. R. Chellali**, A. E: F Djemaï. International Conference of Rheology CIR'04.

Scientifics Activities

Schools

September 28-30/2014 **Oran - Algeria**
1. School of x-ray diffraction. University of Oran.

June 23-27/2008 **Edinburgh - Scotland**
2. The Geometric Analysis, Elasticity and PDE Workshop. Heriot Watt University.

June 20-21/2008 **Leipzig - Germany**
3. Groups and Topological Groups. University of Leipzig.

April 05-09/2008 **Oran - Algeria**
4. First school of applied physics to the life sciences (**EPASV**). University of Oran.

February 05-11/2007 **Oran - Algeria**
5. School on Dynamical Mathematics. E.N.S.E.T of Oran**.**

November 21-23/2006 **Oran - Algeria**
6. School On sciences & Nanotechnologies 2006 (Nanoschool 1). University of Oran.

Workshops

March 21-26/2010 **Regensburg - Germany**
1. DPG German Physical Society. *University of Regensburg*.

September 30/2008 **London - UK**
2. UKDL Workshop Event EU FP7 Programme: Dispelling the Myths, Exploring the Opportunities. *Institute of Materials, Minerals and Mining (IoM3), 1 Carlton House Terrace, London.*

September 19/2008 **Warwick - UK**
3. UK Alexander von Humboldt Association Annual meeting. Centre for Scientific Computing, *University of Warwick*.

15-16 September 2008 **Sussex - UK**
4. Workshop on Continuum and Lattice Approaches to Quantum Gravity. *University of Sussex*.

December 13-14/2005 **Oran - Algeria**
5. Workshop on Nanosciences and Nanotechnologies " Nanotech 1". *University of Oran*.

April 08-10/2004 **Oran - Algeria**
6. IX^{émes} Journées Maghrébines des sciences des matériaux JMSM' 2004. *University of Oran*.

Organizing Committee

April 05-09/2008 **Oran - Algeria**
1st School of Applied physics to the life sciences (**EPASV**)

Awards & Honors

1. **2009-2013**: PhD Stipendium des Deutschen Akademischen Austauschdienstes (**DAAD**).
2. **2012**: Selected for Erwin Müller Young Scientist Award: http://continuingstudies.ua.edu/IFES/ifes-emuller.html
3. **2016-2018:** KIT Postdoctoral Fellowship

Memberships

- Member of German Physical Society.
- Member of United Kingdom Display and Lighting KTN.
- Astrophysics Association, Oran - Algeria.

Computer Skills

- Word, Excel, Power Point, Coral.
- OriginLab, gnuplot, Matlab.

Languages

- Arabic Native
- French Fluent
- English Fluent
- German Good
- Japanese Fair

Interests & Others

- Traveling, reading, swimming and skiing.
- First Aid Certification issued by Algerian Red Crescent
- First Aid Certificate issued by German Red Cross
- German Driving License
- Member of Algerian Red Crescent
- Military Swimming Club

Referees

1. **Prof. Dr. Horst Hahn**
   KIT Distinguished Senior Fellow
   Karlsruhe Institute of Technology
   Institute of Nanotechnology
   Hermann-von-Helmholtz-Platz 1, 76344, Eggenstein-Leopoldshafen Germany,
   Tel: +49721 608-26350
   Email: horst.hahn@kit.edu

2. **Prof. Dr. Robert Kruk**
   Karlsruhe Institute of Technology
   Institute of Nanotechnology
   Hermann-von-Helmholtz-Platz 1, 76344, Eggenstein-Leopoldshafen Germany,
   Tel: +4972160825916
   Email: robert.kruk@kit.edu

3. **Dr. Torben Boll**
   Group Leader
   Karlsruhe Institute of Technology
   Institute of Applied material
   Hermann-von-Helmholtz-Platz 1, 76344, Eggenstein-Leopoldshafen Germany,
   Tel: +4972160826960
   Email: Torben.Boll@kit.edu

4. **Prof. Dr. Lei Zheng**
   School of Materials Science and Engineering
   University of Science and Technology Beijing
   Xueyuanlu No. 30, 100083 Beijing, P. R. China
   Tel.: +86 (0)134 6635 832
   Email: zhenglei_ustb@sina.com

5. **Prof. Dr. Ahmed Hamou**
   Laboratory of Environmental science and Material studies
   Université d'Oran 1-Ahmed Benbella, Oran, Algeria.
   Tel. & fax : +213(0) 41 581946
   E-mail: hamou.ahmed@univ-oran.dz
   ahmedhamou@yahoo.fr

6. **Dr. h.c. Zoltan Balogh**
   Empa, Swiss Federal Laboratories for Materials Science and Technology
   Laboratory for Biointerfaces,
   Lerchenfeldstrasse 5, 9014 St. Gallen, Switzerland
   Tel. +49711 685-61982
   Email: Zoltan.Balogh@empa.ch