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DAVID KOLMAN

OBJECTIVE Science ambassador in science management

SKILLS & ABILITIES Analytical thinking; Organisational skills; Diligence, responsibility & independence; Professional conduct & loyalty; Confidence in multicultural environment.

EXPERIENCE **TECHNICAL UNIVERSITY VIENNA, GRANT OFFICE EXPERT**

Since June 2022

Support to preparation of research projects for Horizon Europe, esp. in clusters ICT/Industry, Environment/Transport/Energy, and Security

RTDG GROUP, VIENNA, RESEARCH PROJECT MANAGER

June 2021 - May 2022

Managing large H2020 research project incl. dissemination; preparation of new proposal

FFG, VIENNA, H2020 EXPERT FOR ICT & FET PROGRAMS

March 2016 – July 2020

Providing information to Austrian entities preparing and executing R&D projects in FET/Pathfinder and ICT subprograms of H2020

Hands-on support to individual proposers during setup and preparation of their projects

Evaluation of research tax break applications from industry

HELMHOLTZ OFFICE BRUSSELS, SCIENCE OFFICER FOR KEY ENABLING TECHNOLOGIES

July 2011 – February 2016

Providing information about programs, calls and other opportunities to participate in European R&D; Scientific/administrative support during proposal preparation

Representation of strategic interests of Helmholtz research centers in Brussels

Strategic analyses of European R&D policies for the Helmholtz Association

CZECH MINISTRY OF EDUCATION, YOUTH & SPORTS; HEAD OF UNIT STRATEGIC MANAGEMENT OF THE OPERATIONAL PROGRAM R&D FOR INNOVATION

February 2010 – June 2011

Project negotiation on behalf of the Ministry; collaboration with international expert evaluation teams

Drafting, preparation, execution and monitoring of program calls

Preparation of the future programming period, link with other public policy-makers

INSTITUTE OF APPLIED SCIENCES, ACADEMY OF SCIENCES OF THE CZECH REPUBLIC

October 2009 – April 2010

Management of the organisation, incl. interaction with its founding members (Academy of Sciences, Czech Technical University) and the grant provider



GRANT GARANT LTD, PROJECT MANAGER

Sept. 2008 – Dec. 2009

Project management; communication with project partners and deliverables

CZECH LIAISON OFFICE FOR R&D IN BRUSSELS, EXPERT & DIRECTOR

May 2005 – June 2008

Liaising between Czech R&D teams and policy-makers and the EC

Support during project preparation and project execution

Representation of strategic interests of the Czech R&D in Brussels

CZECH TECHNICAL UNIVERSITY/ACADEMY OF SCIENCES, ASSISTANT PROFESSOR

September 2000 – May 2005

Teaching mathematics and informatics classes (EN, CZ)

Modeling of plasma flow, plasma chemistry and plasma-particle interactions during plasma spraying processes

TECHNICAL UNIVERSITY ILMENAU, RESEARCHER & HUMBOLDT FELLOW

Sept. 2003 – Sept. 2004, Jan. 1999 – June 2000

Theoretical analysis of plasma oxidation and reduction of particles

Simulation of transonic plasma flow, simulation of diamond CVD deposition

UNIVERSITY OF MINNESOTA, RESEARCH ASSISTANT & RESEARCH FELLOW

1992 – 1998

Development of physical and computer model for Thermal Plasma CVD

Numerical simulation of non-equilibrium plasma

Development and parallelization of state-of-the-art CFD programs

EDUCATION

UNIVERSITY OF MINNESOTA, DEPT. MECHANICAL ENGINEERING; PHD (1997)

Thesis: Modeling of Thermal Plasma Chemical Vapor Deposition of Diamond with Liquid Feedstock Injection

CZECH TECHNICAL UNIVERSITY, FAC. NUCLEAR SCI. & PHYSICAL ENG.; DIPL. ING (1991)

Thesis: Thermal properties of systems with plasma-deposited thermal barrier coatings

EXPERT
ENGAGEMENT

EVALUATOR: European Commission - Horizon Europe; Technology Agency of the Czech Republic - Council Member; Regional R&D Programs (ongoing)

PROPOSAL PREPARATION: University of Chemistry & Technology, Prague

INVITED LECTURER: Pixel Florence; Alevia Prague (ongoing)

REPRESENTATION: Program Committees FP7; Science Europe Brussels

PUBLICATIONS: 30 articles in scientific journals and conference proceedings

OTHER SKILLS

PROJECT MANAGEMENT: IPMA Certificate Level D

REFERENCES

ELISABETH SCHLUDERMANN,

Head of Unit, Funding Support & Industry Relations, TU Wien,
elisabeth.schludermann@tuwien.ac.at

ANNIKA THIES,

Director, former Helmholtz Office Brussels, annika.thies@desy.de

