



THE TRANSFORMATIVE  
POWER OF OIL PALM



**OIL  
PALM**  
Conference

THE TRANSFORMATIVE POWER OF OIL PALM

CONFERENCE:

## *High Technologies in the field, implementation of Autonomous Field Agents and sensors*



### **REDMOND SHAMSHIRI**

Senior Scientist, Leibniz Institute of Agricultural  
Engineering and Bioeconomy.  
Department of Mechanical Engineering, Technical  
University of Berlin Ph.D.

**SESSION 1**  
TECHNOLOGICAL CHANGE  
AND PRODUCTIVITY.

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Dr. Redmond Shamshiri holds a Ph.D. in agricultural automation with a focus on control systems and dynamics. He is a scientist at the Leibniz Institute of Agricultural Engineering and Bioeconomics in Potsdam and a research associate at the Department of Mechanical Engineering, Technische Universität Berlin. His research focuses on autonomous navigation of agricultural robotics, simulation and modeling of crop production systems in closed fields, LPWAN sensors, and wireless control.

Dr. Shamshiri is the founder of Adaptive AgroTech, an international consulting network focused on adapting technologies for food security. He has edited two books on "Next Generation Greenhouses" and "Digital Agriculture" and published over 100 articles and 12 book chapters.