

Working Group on Energy Arbeitskreis Energie (AKE)

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Overview of Invited Talks and Sessions

(Lecture halls HS HISKP; Poster Tent)

Invited Talks

AKE 1.1	Mon	14:30–15:00	HS HISKP	Bedarf und Rolle von Grundlastkraftwerken in einem treibhausgasarmen Energiesystem — •PHILIPP STÖCKER, BERIT ERLACH, SVEN WURBS, CYRIL STEPHANOS
AKE 2.1	Tue	11:00–11:30	HS HISKP	Energy Studies and Energy Models: A Study Comparison — •LARISSA BREUNING, ANĐJELKA KEREKEŠ, ALEXANDER VON MÜLLER, THOMAS HAMACHER

Invited Talks of the joint Symposium Quantum Science and more in Ghana and Germany (SYGG)

See SYGG for the full program of the symposium.

SYGG 1.1	Tue	11:00–11:05	WP-HS	Welcome Adress — •BIRGIT MÜNCH
SYGG 1.2	Tue	11:05–11:20	WP-HS	Quantum Education in Ghana — •DORCAS ATTUABEA ADDO
SYGG 1.3	Tue	11:20–11:45	WP-HS	Mathematical and Computational Physics Research In Ghana: To Cultivate a Knowledge-Based and Sustainable Development Economy — •HENRY MARTIN, HENRY ELORM QUARSHIE, MARK PAAL, FRANCIS KOFI AMPONG, ERIC KWABENA KYEH ABAVARE, MATTEO COLANGELI, ALESSANDRA CONTINENZA, JAIME MARIAN
SYGG 1.4	Tue	11:45–12:10	WP-HS	Forecasting the Economic Health of Ghana Using Quantum-Enhanced Long Short-Term Memory Model — •PETER NIMBE, HENRY MARTIN, DORCAS ATTUABEA ADDO, NICODEMUS SONGOSE AWARAYI
SYGG 1.5	Tue	12:10–12:40	WP-HS	Quantum Technology with Spins — •JOERG WRACHTRUP
SYGG 1.6	Tue	12:40–13:00	WP-HS	Renewable Energy Technologies for Rural Ghana: The Role of Appropriate Technology for Tailored solutions — •MICHAEL KWEKU EDEM DONKOR

Prize and Invited Talks of the joint Awards Symposium (SYAS)

See SYAS for the full program of the symposium.

SYAS 1.1	Thu	14:30–15:10	HS 1+2	A journey in mathematical quantum physics — •REINHARD F. WERNER
SYAS 1.2	Thu	15:10–15:50	HS 1+2	Precision Tests of the Standard Model at Low Energies Using Stored Exotic Ions in Penning Traps — •KLAUS BLAUM
SYAS 1.3	Thu	15:50–16:30	HS 1+2	Controlling light by atoms and atoms by light: from dark-state polaritons to many-body spin physics — •MICHAEL FLEISCHHAUER
SYAS 1.4	Thu	16:30–16:35	HS 1+2	Quantum history at your fingertips: Launch of the DPG's Quantum History Wall — •ARNE SCHIRRMACHER

Sessions

AKE 1.1–1.8	Mon	14:30–16:45	HS HISKP	Innovative Contributions for the Energy System Transformation
AKE 2.1–2.6	Tue	11:00–12:45	HS HISKP	Processes and Materials for fossil-free Energy Technologies
AKE 3.1–3.2	Tue	14:00–16:00	Tent	Poster