

## Working Group on Information Arbeitsgruppe Information (AGI)

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### Overview of Sessions

(Lecture hall ROT)

#### 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	<b>Welcome Adress</b> — •BIRGIT MÜNCH
SYGG 1.2	Tue	11:05–11:20	WP-HS	<b>Quantum Education in Ghana</b> — •DORCAS ATTUABEA ADDO
SYGG 1.3	Tue	11:20–11:45	WP-HS	<b>Mathematical and Computational Physics Research In Ghana: To Cultivate a Knowledge-Based and Sustainable Development Economy</b> — •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	<b>Forecasting the Economic Health of Ghana Using Quantum-Enhanced Long Short-Term Memory Model</b> — •PETER NIMBE, HENRY MARTIN, DORCAS ATTUABEA ADDO, NICODEMUS SONGOSE AWARAYI
SYGG 1.5	Tue	12:10–12:40	WP-HS	<b>Quantum Technology with Spins</b> — •JOERG WRACHTRUP
SYGG 1.6	Tue	12:40–13:00	WP-HS	<b>Renewable Energy Technologies for Rural Ghana: The Role of Appropriate Technology for Tailored solutions</b> — •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	<b>A journey in mathematical quantum physics</b> — •REINHARD F. WERNER
SYAS 1.2	Thu	15:10–15:50	HS 1+2	<b>Precision Tests of the Standard Model at Low Energies Using Stored Exotic Ions in Penning Traps</b> — •KLAUS BLAUM
SYAS 1.3	Thu	15:50–16:30	HS 1+2	<b>Controlling light by atoms and atoms by light: from dark-state polaritons to many-body spin physics</b> — •MICHAEL FLEISCHHAUER
SYAS 1.4	Thu	16:30–16:35	HS 1+2	<b>Quantum history at your fingertips: Launch of the DPG's Quantum History Wall</b> — •ARNE SCHIRRMACHER

#### Sessions

AGI 1.1–1.2	Wed	11:00–12:30	HS ROT	<b>Hacky Hour (joint session AGI/AKjDPG)</b>
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