

Space Link Services Area

Resolution SLS-R-2021-03-001

Appointment of the chair of the Coding and Synchronization Working Group (SLS-C&S)

15th March 2021

Gian Paolo Calzolari SLS Area Director

Gilles Moury SLS Deputy Area Director

The Space Link services Area,

CONSIDERING that

- the position of chair for the Coding and Synchronization Working Group is vacant after Massimo Bertinelli resignation,
- all CCSDS member Agencies have been asked to provide candidates for the position of Coding and Synchronization WG chair,
- only one candidacy has been received for appointing Andrea Modenini (ESA) as WG chair;

RECOGNISING that the candidate has strong background and experience in Telecommunication Engineering including

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coding, modulation, and digital signal processing techniques
(see attached Curriculum Vitae);

RECOMMENDS that Andrea Modenini is appointed chair of
the Coding and Synchronization (SLS-C&S) Working Group

RESOLVES to request CESG to approve this appointment

RECOMMENDS that the CESG approve this resolution and,
finally

REQUESTS that CESG poll be conducted to accomplish this.

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Dr. Andrea Modenini is Communication systems and technologies engineer at the European Space Agency (ESA) / European space research and technology centre (ESTEC).

He joined ESA in March 2015 as part of the TT&C and PDT systems & techniques section (TEC-EST), covering the following competence domains:

- Satellite communication systems and subsystems definition for either TT&C, Payload Telemetry, or advanced satellite networks.
- Unmanned aerial vehicles (UAVs) and remotely piloted aircraft systems (RPAS) communication systems and subsystems definition, for civil applications in non-segregated aerospace.
- End-to-end satellite communication system performance analysis.
- Advanced software tools specifications and development, in support of (sub) systems analysis,
- Modulation, coding, multiple access, synchronization and digital signal processing techniques,
- Communication testbeds for laboratory and pilot satellite systems.

Dr. Modenini holds a MSc in Telecommunication Engineering and a Ph.D. in Information Engineering from the University of Parma, Italy.