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Nota di contenuto	GGHS2022: Gravity Field -- A Comparison of Pointwise and Levelling Assisted Regional Realisations of IHRS With a Case Study Over Sweden -- New Tidal Analysis of Superconducting Gravimeter Records at Metsähovi, Finland -- Development of the National Gravimetric Geoid Model for the Kingdom of Saudi Arabia -- Comparisons of Absolute Gravimeters as a Key Component of the International Terrestrial Gravity Reference Frame (ITGRF) Shown on the Example of the WET-CAG2021 at Wettzell, Germany -- Newly Acquired Gravity Data in Support of the GeoNetGNSS CORS Network in Northern Greece -- Strapdown Airborne Gravimetry Based on Aircrafts and UAVs: Postprocessing Algorithms and New Results -- Estimation of Temporal Variations in the Earth's Gravity Field Using Novel Optical Clocks Onboard of Low Earth Orbiters -- Hybrid Geoid Modeling for the Kingdom of Saudi Arabia -- IAG Commission 4: Positioning and Applications -- Almost-Instantaneous

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Transmitters on Next Generation GNSS Satellites for Geodetic Products
-- Potential of Lunar Laser Ranging for the Determination of Earth
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Sommario/riassunto

This open access volume contains a selection of papers presented at three different IAG Symposia held in 2022: GGHS2022 – Gravity, Geoid, and Height Systems 2022, Austin, TX, United States of America, September 12 – 14, 2022; IAG Commission 4 – Positioning and Applications, Potsdam, Germany, September 5 – 8, 2022; and REFAG2022 – Reference Frames for Applications in Geosciences, Thessaloniki, Greece, October 17 – 20, 2022. Two of these three conferences were planned for 2020 or 2021, but had to be postponed due to the COVID19 pandemic. They therefore became an important opportunity for the global geodesy community to rebuild professional networks and to resume face-to-face interaction. Scientists from around the world were delighted to once again gather together to present their research progress and findings, and discuss scientific issues.
