ngVLA International Science Conference 2026 (November 10–13, Sendai, Japan) Program

- **Keynote & Invited Talks: 20-min talk + 5-min Q&A**
- Contributed Talks: 12-min talk + 3-min Q&A

Time	Speaker	Affiliation	Type	Title
Day 1 (Tuesday, November 10)				
12:00-13:00	Registration			
13:00-13:10	Satoshi Okuzumi	Institute of Science Tokyo		Opening Remarks
13:10–13:35	**David Wilner**	**Center for Astrophysics | Harvard & Smithsonian**	**Keynote**	**ngVLA Key Science Goals**
13:35–13:50	Alfonso Trejo-Cruz	IRyA-UNAM	Contributed	ngVLA antenna site selection in Mexico: Status and strategic priorities
13:50–14:05	Luis Zapata	IRyA-UNAM	Contributed	Tracing the route to the next generation Very Large Array Project in Mexico
14:05–14:15	Poster Flash Talks (P-01 – P-10)			
14:15–14:30	Break			
14:30–14:45	Jompoj Wongphechauxsorn	JMU Würzburg	Contributed	The Wetterstein Millimeter Telescope: Current Project Status and Prospects for transatlantic VLBI with the ngVLA
14:45–15:00	Lucas Hunt	NRAO	Contributed	Update on the long baselines of the ngVLA
15:00–15:15	Phil Cigan	U.S. Naval Observatory	Contributed	Anchoring the Sky: Astrometry and the CRF in the Era of the ngVLA
15:15–15:30	Andrea Isella	Rice University	Contributed	Neural-Network Based Image Reconstruction of ngVLA data
15:30–15:45	Rob Selina	NRAO	Contributed	Scaling Down the ngVLA Computational Footprint: Novel Algorithms and Parallel Implementations
15:45–16:00	Poster Flash Talks (P-11 – P-25)			
16:00–16:20	Break			
16:20–16:45	**Takahiro Ueda**	**NAOJ**	**Invited**	**Dust Continuum from Protostellar to Planet-Forming Disks in the ngVLA Era**
16:45–17:00	Jesús Miguel Jáquez Domínguez	IRyA-UNAM	Contributed	Automated Regularized Maximum-Likelihood Imaging of Protoplanetary Disks in the ngVLA Era
17:00–17:15	Munetake Momose	NAOJ	Contributed	A new framework for the visibility analysis of dust disks and its application to data from ALMA and ngVLA
17:15–17:30	Anna Fehr	Center for Astrophysics | Harvard & Smithsonian	Contributed	Characterizing Protoplanetary Disk Solids with Well-Sampled Centimeter-Band Spectra
17:30–17:45	Brenda Matthews	National Research Council of Canada	Contributed	Tracing planetesimal belts with the ngVLA: the new potential of tracing gas in young debris disks
Day 2 (Wednesday, November 11)				
09:10–09:25	Yuhito Shibaike	Kagoshima University	Contributed	Predictions of dust continuum observations of circumplanetary disks with ngVLA: A case study of PDS 70 c
09:25–09:40	Ryan Boyden	NRAO	Contributed	The Free-free Emission View of Disk Photoevaporation with the VLA and, eventually, the ngVLA
09:40–09:55	Natsuko Izumi	Nagoya University	Contributed	Revealing Disk Properties in the Low-Metallicity Environment with ngVLA
09:55–10:10	Break			
10:10–10:35	**Zhe-Yu Daniel Lin**	**NRAO**	**Invited**	**ngVLA polarization in star-forming regions and protoplanetary disks**
10:35–10:50	Satoshi Ohashi	The University of Tokyo	Contributed	Probing Magnetic Fields in Circumstellar Disks: From ALMA to the ngVLA
10:50–11:05	Ryo Tazaki	The University of Tokyo	Contributed	Magnetic dipole emission from protoplanetary disks: Probing solid-phase iron with the ngVLA
11:05–11:20	Break			
11:20–11:45	**Roberto Galván-Madrid**	**IRyA-UNAM**	**Invited**	**Birth of Massive Stellar Systems: Current Challenges and Prospects for the ngVLA**
11:45–12:00	Kei Tanaka	Institute of Science Tokyo	Contributed	The Birth of Massive Stars with the ngVLA: Orbital Movies, Hot-Disk Chemistry, and Protostellar Surfaces

12:00–12:15	Suinan Zhang	Institute of Science Tokyo	Contributed	Feedback from young massive stars across galactic environments
12:15–12:30	Satoko Takahashi	NAOJ	Contributed	Revealing the Nature of the Neutral Atomic Component within the Protostellar Outflows and Jets through the HI 21 cm Emission
12:30–12:45	Antonio Martínez-Henares	RIKEN	Contributed	Hydrogen radio recombination lines: Tracing disks, winds and jets in massive young stars
12:45–14:15	Lunch			
14:15–14:40	**Eric Murphy**	**NRAO**	**Keynote**	**ngVLA Project Update**
14:40–15:05	**Maria Drozdovskaya**	**Universität Bern**	**Invited**	**From Stellar Cradles to Disks and Comets: Chemical Inheritance or Reprocessing?**
15:05–15:30	**Viviana Guzmán**	**Pontificia Universidad**	**Invited**	**Complex Organic Molecules from PDRs to Protoplanetary Disks: New Opportunities with the ngVLA**
15:30–15:50	Poster Flash Talks (P-26 – P-44)			
15:50–16:35	Break and Poster Viewing			
16:35–16:50	Yoshihide Yamato	RIKEN	Contributed	Tracing Hidden Nitrogen Reservoirs at the Onset of Planet Formation: Evidence for Ammonium Salt Decomposition
16:50–17:05	Rajeeb Sharma	National Research Council of Canada	Contributed	Mapping Embedded Disk Chemistry with ALMA: A Blueprint for Studying Astrochemistry in Planet-Forming Regions with ngVLA
17:05–17:20	Samantha Scibelli	NRAO	Contributed	ngVLA to Sharpen our View of Molecular Complexity at the Earliest Stage of Low-mass Star and Planet Formation
17:20–17:35	Nami Sakai	RIKEN	Contributed	Probing the Chemical and Thermal Evolution of Molecular Clouds with CH and OH
19:00-	Banquet			

Day 3 (Thursday, November 12)

09:10–09:25	Hidetoshi Sano	Gifu University	Contributed	CO/HI Studies of Supernova Remnants toward the ngVLA Era
09:25–09:50	**Takashi Shimonishi**	**Niigata University**	**Invited**	**Molecular Evolution across Diverse Birth Environments: An ngVLA Perspective**
09:50–10:15	**Joanna Berteaud**	**Royal Holloway University of**	**Invited**	**The Galactic Center Millisecond Pulsar Search: Progress and Prospects**
10:15–10:40	**Thankful Cromartie**	**Vanderbilt University**	**Invited**	**Probing Extreme Physics with ngVLA Millisecond Pulsar Timing**
10:40–11:10	Break			
11:10–11:25	Fumihiro Naokawa	Tohoku University	Contributed	Cosmic birefringence and forthcoming radio surveys
11:25–11:50	**Keitaro Takahashi**	**Kumamoto University**	**Invited**	**Nanohertz gravitational-wave astronomy enabled by VLBI astrometry**
11:50–12:05	Tatsuya Kotani	Keio University	Contributed	Precise Measurements of the CMB Temperature at z=0.68, 0.89, and Beyond Using Molecular Absorption Lines
12:05–12:30	**Kunihito Ioka**	**Kyoto University**	**Invited**	**Exploring the Dynamic Universe in the ngVLA Era**
12:30–14:00	Lunch			
14:00–14:25	**Emma Schwartzman**	**U.S. Naval Research Laboratory**	**Invited**	**Multi-AGN in the Radio Regime: Progress, Challenges, and the ngVLA**
14:25–14:50	**Krista Smith**	**Texas A&M University**	**Invited**	**Searching for Intermediate Mass Black Holes with Radio Imaging**
14:50–15:05	Shunya Takekawa	Kanagawa University	Contributed	Radio-loud Black Hole Candidates Driving Molecular Jets in the Galactic Center
15:05–15:20	Haruka Sakemi	Yamaguchi University	Contributed	Radio Probes of Galactic PeVatrons: Jet–Cloud Interactions in SS 433
15:20–16:05	Break and Poster Viewing			
16:05–16:20	Momoko Makita	Keio University	Contributed	An Extreme Velocity-Width Molecular Structure in the Supernova Remnant W44: Possible Evidence for a Compact Object Plunge
16:20–16:35	Norihiro Yamada	The University of Tokyo	Contributed	A Deep Radio Test of the White-Dwarf Termination Shock in the SN 1181 Remnant
16:35–16:50	Collin Christy	University of Arizona	Contributed	Insights from a Systematic VLA Monitoring Program of Tidal Disruption Events
16:50–17:05	Walter Golay	Center for Astrophysics | Harvard & Smithsonian	Contributed	VLBI Observations of the Enigmatic Optical Tidal Disruption Event AT2018hyz
17:05–17:30	**Taiki Kawamuro**	**The University of Osaka**	**Invited**	**Exploring SMBH Feeding and Feedback with Millimeter and X-ray Observations**

Day 4 (Friday, November 13)				
09:10–09:35	**Laura Sommovigo**	**Columbia University & CCA**	**Invited**	**Connecting the UV and infrared views of galaxy evolution: challenges for models and opportunities for ngVLA**
09:35–09:50	Masato Kobayashi	National Institute for Fusion Science	Contributed	Witnessing the phase transition dynamics from the diffuse HI to molecular clouds and its metallicity dependence in MHD
09:50–10:05	Tomonari Michiyama	Shunan University	Contributed	Disentangling Colliding Gas Flows in Merger-Driven Starbursts: An Automated Spectral Decomposition Framework for the ngVLA Era
10:05–10:35	Break			
10:35–11:00	**Kotaro Kohno**	**The University of Tokyo**	**Invited**	**Tracing the Faint and Diffuse Universe with the ngVLA: High-Redshift Galaxies, Protoclusters, and Dark Matter**
11:00–11:15	Tirth Surti	California Institute of Technology	Contributed	Probing Thermal Radio Continuum Emission with the ngVLA in Star Forming Galaxies
11:15–11:30	Takafumi Tsukui	Kavli IPMU	Contributed	Disk formation and evolution from the first galaxies to present
11:30–11:45	Eric F. Jimenez-Andrade	IRyA-UNAM	Contributed	Is Radio Emission a Reliable Star-Formation Tracer in the Early Universe?
11:45–13:15	Lunch			
13:15–13:30	Tom Bakx	Chalmers, University of Technology	Contributed	When Did Dust Turn the Universe Dark? ngVLA and ALMA2040 combining to find the answer
13:30–13:45	Jackson Wetherbee	University of Massachusetts Amherst	Contributed	Can Radio Observations Reveal What Powers the James Webb Space Telescope's Little Red Dots?
13:45–14:00	Kanako Narita	The University of Tokyo	Contributed	Probing the Blazar Sequence at Millimeter Wavelengths with the ngVLA
14:00–14:15	Yuri Nishimura	University of Tsukuba	Contributed	Resolving the Molecular ISM in the Cloverleaf Quasar: From ALMA Mid-J Lines to ngVLA Ground-State Transitions
14:15–14:30	Mahoshi Sawamura	The University of Tokyo	Contributed	[OI] 145um Constraints on the Dense Neutral ISM and Outflow of the z = 6.04 Quasar J2054-0005
14:30–14:45	Yoshinobu Fudamoto	Chiba University	Contributed	Neutral Gas Structure in a z = 7.88 Galaxy Overdensity: ALMA + JWST Results and Prospects for the ngVLA
14:45–15:10	Break			
15:10–15:25	Vasileios Diamantopoulos	Foundation for Research and Technology - Hellas	Contributed	Exploring Compact Symmetric Objects in the ngVLA Era
15:25–15:40	Ryoya Kojima	The University of Tokyo / NAOJ	Contributed	Do Circumnuclear Disks Drive Mass Accretion even in High-Luminosity AGN?
15:40–15:55	Andrew Sargent	U.S. Naval Observatory	Contributed	Unmasking the circumnuclear radio emission mechanisms in nearby hard X-ray selected AGNs
15:55–16:10	Ryo Kishikawa	The University of Tokyo / NAOJ	Contributed	Unveiling the physical and chemical properties of luminous type 1 AGN NGC 7469: ALMA Results and ngVLA Prospects
16:10–16:25	Takuma Izumi	NAOJ	Contributed	Prospects for Nearby Active Galactic Nucleus Studies with Ultra-High-Resolution Observations
16:25–16:55	Discussion & Closing			