



PERSONAL INFORMATION

Sergio Poppi (Italy) sergio.poppi@inaf.it <https://orcid.org/0000-0002-4698-2607>

Sex Male | Nationality Italian

WORK EXPERIENCE

7 Jan 2006–Present

technology researcher (Tecnologo)

INAF- Osservatorio astronomico di Cagliari
via della Scienza 5, 09047 Selargius (Italy)
<http://www.oa-cagliari.inaf.it>

- software development;
- radio telescope calibration;
- research in metrology for the Sardinia Radio Telescope
- outreach.
- SRT Technical recommissioning coordinator.

Business or sector research and development

1 Oct 2000–24 Feb 2005

researcher

IRA - CNR
via Gobetti 101, 40129 Bologna (Italy)

software development and calibration of balloon-borne experiments for Cosmic Microwave Background measurements

Business or sector Research and Development

Aug 2005–Sep 2005

software developer

Spinoff microldea, Bologna (Italy)
Embedded systems software developer

Oct 2005–Dec 2005

Laboratorio di microelettronica DEIS - Dip. Ingegneria, UNIBO, Bologna (Italy)
Software developer for indoor localization devices.

EDUCATION AND TRAINING

1991–1998

Master Degree

University of Bologna
via Zamboni 33, 40100 Bologna (Italy)
Astronomy

5A

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
english	C1	C1	C1	C1	C1
french	A2	A2	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages - Self-assessment grid

Communication skills

- Team spirit;
- Good ability to adapt to multicultural environments;
- communication skills gained through public speaking

Organisational / managerial skills

- Organizational and managerial skills acquired in local organizing committees in events like workshops and seminars.
- leadership. Skills acquired as coordinator of the SRT technical recommissioning team.

Job-related skills

Aug 2018 - ongoing: Head of operations for the Sardinia Radio Telescope.

Gen - 2019 Contract Execution Manager (Direttore esecuzione contratto) for the Sardinia Radio Telescope maintenance.

2015 - 2017 User Support for the Sardinia Radio Telescope

2017 - ongoing SRT Technical Recommissioning coordinator.

Many observations done with radio telescopes like Effelsberg (Germany), Parkes(Australia), Puschino (Russia), and the Italian radio telescopes SRT, Noto and Medicina.

The scientific research activity is in radio recombination lines, magnetic field and polarization of interstellar medium and chemical abundances in dark clouds.

The technology research activity is in metrology of radio telescope, control software development and calibration of radio astronomical measurements.

Projects:

- PON "Ricerca e Innovazione 2014-2020", PIR01_00010, Scientific coordinator for OR 5 (metrology)
- Stima delle deformazioni di SRT", Legge Regionale 7/2007 Regione Sardegna, Principal Investigator.
- Prin TECNO 2012 "Rfi Mitigation at Italian Radio Telescopes", local unit coordinator.

Local Organizing Committee member in:

- "Astrophysical Polarized Backgrounds", Bologna, 9 - 12 Ottobre 2001;
- "Scienza con il Sardinia Radio Telescope", Bologna 10-11 Maggio 2005;
- IAUS 336: Astrophysical Masers: Unlocking the Mysteries of the Universe, 4-8 Sept. 2017

Digital skills

SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

- Software developer with C++, Java, Python, IDL, LabView
- Knowledge of databases SQL and noSQL
- Good command of Office suites
- Version Control System like git, svn.

Driving licence A, B

ADDITIONAL INFORMATION

Publications

- Vacca, Valentina; Murgia, M.; Loi, F. Govoni F.; Vazza, F.; Finoguenov, A.; Carretti, E.; Feretti, L.; Giovannini, G.; Concu, R.; Melis, A.; Gheller, C.; Paladino, R.; **Poppi, S.**; Valente, G.; Bernardi, G.; Boschini, W.; Brienza, M.; Clarke, T. E.; Colafrancesco, S.; Enßlin, T.; Ferrari, C.; de Gasperin, F.; Gastaldello, F.; Girardi, M.; Gregorini, L.; Johnston-Hollitt, M.; Junklewitz, H.; Orrù, E.; Parma, P.; Perley, R.; Taylor, G. B., "Observations of a nearby filament of galaxy clusters with the Sardinia Radio Telescope", 2018MNRAS.tmp.1093V
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- Herron, C. A.; Burkhart, Blakesley; Gaensler, B. M.; Lewis, G. F.; McClure-Griffiths, N. M.; Bernardi, G.; Carretti, E.; Haverkorn, M.; Kesteven, M.; **Poppi, S.**; Staveley-Smith, L., "Advanced Diagnostics for the Study of Linearly Polarized Emission. II. Application to Diffuse Interstellar Radio Synchrotron Emission", 2018, ApJ, Volume 855, article id. 29, 33
- Melis, A.; Concu, R.; Trois, A.; Possenti, A.; Bocchinu, A.; Bolli, P.; Burgay, M.; Carretti, E.; Castangia, P.; Casu, S.; Pestellini, C. Cecchi; Corongiu, A.; D'Amico, N.; Egron, E.; Govoni, F.; Iacolina, M. N.; Murgia, M.; Pellizzoni, A.; Perrodin, D.; Pilia, M.; Pisanu, T.; Poddighe, A.; **Poppi, S.**; Porceddu, I.; Tarchi, A.; Vacca, V.; Aresu, G.; Bachetti, M.; Barbaro, M.; Casula, A.; Ladu, A.; Leurini, S.; Loi, F.; Loru, S.; Marongiu, P.; Maxia, P.; Mazzarella, G.; Migoni, C.; Montisci, G.; Valente, G.; Vargiu, G., *Sardinia Roach2-based Digital Architecture for Radio Astronomy (SARDARA)*, 2018JAI.....750004M,
- 2017MNRAS.472.3605L
- Prandoni, I.; Murgia, M.; Tarchi, A.; Burgay, M.; Castangia, P.; Egron, E.; Govoni, F.; Pellizzoni, A.; Ricci, R.; Righini, S.; Bartolini, M.; Casu, S.; Corongiu, A.; Iacolina, M. N.; Melis, A.; Nasir, F. T.; Orlati, A.; Perrodin, D.; **Poppi, S.**; Trois, A.; Vacca, V.; Zanichelli, A.; Bachetti, M.; Buttu, M.; Comoretto, G.; Concu, R.; Fara, A.; Gaudiomonte, F.; Loi, F.; Migoni, C.; Orfei, A.; Pilia, M.; Bolli, P.; Carretti, E.; D'Amico, N.; Guidetti, D.; Loru, S.; Massi, F.; Pisanu, T.; Porceddu, I.; Ridolfi, A.; Serra, G.; Stanghellini, C.; Tiburzi, C.; Tingay, S.; Valente, G., *The Sardinia Radio Telescope . From a technological project to a radio observatory*, 2017A&A...608A..40P
- Abbott, B. P. et al, *Multi-messenger Observations of a Binary Neutron Star Merger*, 2017ApJ...848L..12A
- Egron, E.; Pellizzoni, A.; Iacolina, M. N.; Loru, S.; Marongiu, M.; Righini, S.; Cardillo, M.; Giuliani, A.; Mulas, S.; Murtas, G.; Simeone, D.; Concu, R.; Melis, A.; Trois, A.; Pilia, M.; Navarini, A.; Vacca, V.; Ricci, R.; Serra, G.; Bachetti, M.; Buttu, M.; Perrodin, D.; Buffa, F.; Deiana, G. L.; Gaudiomonte, F.; Fara, A.; Ladu, A.; Loi, F.; Marongiu, P.; Migoni, C.; Pisanu, T.; **Poppi, S.**; Saba, A.; Urru, E.; Valente, G.; Vargiu, G. P., *Imaging of SNR IC443 and W44 with the Sardinia Radio Telescope at 1.5 and 7 GHz*, 2017MNRAS.470.1329E
- Brown, S.; Vernstrom, T.; Carretti, E.; Dolag, K.; Gaensler, B. M.; Staveley-Smith, L.; Bernardi, G.;

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 - Bolli, P. et al *Sardinia Radio Telescope*, [2015JAI....450008B](#)
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 - Pisanu, Tonino; Buffa, Franco; **Poppi, Sergio**; Marongiu, Pasqualino; Serra, Giampaolo; Vargiu, Gian Paolo; Concu, Raimondo, *The SRT inclinometer for monitoring the rail and the thermal gradient effects on the alidade structure*, [2014SPIE.9145E..4RP](#)
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- Carretti, E.; Poppi, S.; Cortiglioni, S., "Measurements of polarized diffuse emission with the SRT", 2006, Memorie della Societa Astronomica Italiana Supplement, v.10, p.82
- Poppi, S.; Carretti, E.; Cortiglioni, S. "A polarimetric facility for the SRT", 2006, Memorie della Societa Astronomica Italiana Supplement, v.10, p.73.
- Carretti, E.; McConnell, D.; McClure-Griffiths, N. M.; Bernardi, G.; Cortiglioni, S.; Poppi, S. "Polarized diffuse emission at 2.3 GHz in a high Galactic latitude area", 2005, MNRAS, 360, L10-L14;
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