## **2022 TSC Election Candidates**

@Announcement email: 24 Aug 2022
Nominations close: 21 Sep 2022 at 23:59 UTC
Ballots Distributed: 00:01 pacific time 26 Sep 2022
Voting ends: 23:59 pacific time 10 Oct 2022
Results Published: 12 Oct 2022

## All candidates must reply all to the "Call for Nominations" email message EMAIL LINK to run for a TSC seat.

Nominees are encouraged to provide your information here as a courtesy at the request of your Program Manager. Doing so will greatly assist in the actual election process later on. NOTE: simply filling in this page is insufficient to qualify you for the election. You must send the email as requested.

| Candidate  | Biography   | Candidate's Statement   |
|--|---|---|
| (Using @ macro)                                    |   |   |
| Andreas<br>Geissler<br>Deutsche<br>Telekom         | Since 7 years in DT I am working with the ONAP platform to create a new management<br>framework in DT (TNAP).<br>We executed a number of PoCs, gathered much experience with the ONAP components and<br>want to develop them further<br>to meet the future requirements to operate and orchestrate network services.<br>Besides my activities in ONAP I'm acting as lead system architect in DT's TNAP project. | My DT colleagues, our partners and me are contributed to the ONAP releases in<br>several projects, like Documentation, Integration, OOM, SO and CDS and are<br>planning to extend our engagement in the near future.<br>Main focus for the coming releases will be the production readiness of the ONAP<br>platform and the extension of its functionality. |
| https://lists.onap.org/g/onap-tsc<br>/message/8848 |   |   |

## N.K. Shankaranara yanan

STL



https://lists.onap.org/g/onap-tsc /message/8875

Magnus

**Buhrgard** 

Ericsson

N. K. Shankaranarayanan (Shankar) is a Senior Principal Architect with Sterlite Technologies Limited (STL) leading architecture, strategy, and standards for innovative wireless network solutions. Prior to joining STL in mid-2021, he worked for 29+ years with AT&T Labs creating and delivering research innovations in wireless systems & networks, and providing leadership in wireless standards. His work has spanned diverse areas including cloud-based 5G/4G RAN automation production solutions, Near-RT RIC field trials, service and network quality management, radio propagation, full-duplex wireless, fixed wireless systems, and optical fiber /cable systems.

Shankar has worked to establish the foundations of open solutions in real networks as well as in standards organizations. During 2018-2021, he led the development and production the first Near-RT RIC field trials at AT&T. Since 2021, Shankar has been serving on the ONAP Technical Steering Committee. Since 2018, he has been leading the ONAP 5G SON Use Case development of ONAP-based SON solutions and PoC demonstrations. He is the rapporteur for the O-RAN WG1 work item on Decoupled SMO Architecture. During 2006-2008, he served as member of the Board of Directors, and Chair of the Service Provider Working Group, of the WiMAX Forum. Shankar has 95+ patents in his name and 50+ research publications. He has a Ph.D from Columbia University (New York), an M.S. from Virginia Tech, and a B.Tech from the Indian Institute of Technology (Bombay), all in Electrical Engineering. I have been the ONAP SON Use Case lead since the Casablanca release, and am also actively engaged with ONAP/O-RAN/OSC Harmonization. I joined the TSC in October 2021 to help with the application of ONAP for 5G. The work in ONAP for SON and Slicing Use Cases is relevant to the O-RAN SMO. In the last year I successfully championed a new work item in O-RAN WG1 and am the rapporteur for the Decoupled SMO Architecture Technical Report.

Since mid-2021, I have been a Senior Principal Architect at Sterlite Technologies Limited (STL) leading work on architecture, strategy, and standards for ONAP/O-RAN based wireless network solutions. Before that, I was with AT&T Labs Research for more than 29 years working to deliver research innovations in wireless systems and networks.

Under my leadership, the ONAP SON Use Case team gained multi-company support and has developed a solid foundation for ONAP-based SON with several successful PoC demonstrations. We had a strong and early focus on being aligned with O-RAN and 3GPP. The solution includes flows O-RAN O1 and A1 based actions, FM/PM/OR notifications from the RAN, a RAN-Sim simulator component, and a methodology for incorporating AI/ML in the applications. We did our use case integration testing as an early adopter of the Rutgers University ONAP Wireless Lab and fostered the growth of a joint industry/university testbed with a focus on wireless networks. Recently, I have worked in the ONAP/O-RAN Harmonization effort to provide feedback from the ONAP Use Case implementation insights in order to pursue synergies and improve O-RAN Specifications.

At AT&T, I was the lead for developing and deploying the first ONAP-based 5G SON solution in production and have gained first-hand experience in making ONAP ready for production deployment for SON and Radio Access Network (RAN) automation applications. From 2005 to 2008, I was actively engaged with the WiMAX Forum (WMF), where I was successful in building consensus among operators and vendors for innovative global wireless standards. I served on the WMF Board of Directors, and also as Chair of the WMF Service Provider Working Group, and Chair of the WMF X.509 Task Force.

My objective in ONAP since the Casablanca release has been to foster an open ecosystem for ONAP-based solutions for mobile networks. If I have the honor of continuing to serve on the TSC, I will be able to offer a unique viewpoint by combining my broad wireless background, operational ONAP deployment insights, global standards experience, and the perspective of an ecosystem technology provider committed to open platforms. I will work to maximize alignment between ONAP and O-RAN/3GPP and leverage synergies between ONAP and O-RAN OSC. I will also work to improve the maturity of ONAP-based solutions to deploy, manage, and optimize production wireless networks.

I look forward to the opportunity to work in the TSC to serve the ONAP community and foster an open ecosystem.

I am committed to the challenge of merging standardization, open source, and R&D ways of working. I strongly believe that open-source collaboration benefits the telecom industry, increasing efficiency, quality, transparency and software craftmanship.

Ericsson has consistently been one of the main contributors to ONAP and is committed to support a vibrant community effort. My colleagues serve as PTLs for four essential projects (CPS, DMaaP, SDC, PF) and vice chair of the Architecture subcommittee.

It would be my pleasure to serve the community in my new role as the Principle

If elected, I would like to work on enabling the following activities with all your

and showcase the ONAP capabilities Collect and work on the timely feedback

Extend my help in making ONAP closure to being production ready. Collaboration across the SDO and open source projects alike (3GPP, ORAN, LFN and CNCF to name a few)

Work on various PoC that would prove the integrations across the industry

Architect of WindRiver

support:

3.

4.

active in a number of standards organizations

Lately I was chosen to represent ONAP in LFN SPC.

I am an open-source and standardization manager at Ericsson

With over 30 years of experience in the telecommunication industry, my work has spanned a multitude of architectures and technologies, reaching from fiberoptic research to network and

Since 2019, I have been the ONAP technical community coordinator for generic network management. In that role I have chaired sessions at various LFN summits, conferences, workshops, bilateral meetings and reported to the TSC on SDO activities. I have also handled liaison statements to/from SDOs on behalf of ONAP.

service automation. I have a long-term engagement in carrier-grade network architecture and am

https://lists.onap.org/g/onap-tsc

/message/8879

## Seshu Kumar Mudiganti

WindRiver

A hands-on Solution Architect and an experienced Techno Manager with demonstrated history of delivering solutions while leading Global Project Teams. Skilled at providing and building E2E solutions, architecture, design and implementations for both commercial and open source projects, using various tools and technologies. One of the key contributors of the LF community, constantly striving to build an overall solution with the user centric designs. Speaker at various global forums like the ONES, Kubecon, Open-infra, ETSi, LFN, on various topics including Orchestration, 5G, Slicing, NFV/SDN, PaaS, K8s, ETSi, Edge, Cloud native and

Opensource enthusiast. Tech Savvy, ONAP evangelist would be small description about myself.

topics including Orchestration, 5G, Slicing, NFV/SDN, PaaS, K8s, ETSi, Edge, Cloud native ar many more.
Been a quest lecturer to various reputed Universities (IIT-Madras, BEC-Bagalkot).

Been a guest lecturer to various reputed Universities (III - Madras, BEC-Bagalkot). Strong information technology professional with a distinction throughout the academics.



https://lists.onap.org/g/onap-tsc /message/8923

| Gervais-<br>Martial<br>Ngueko<br>AT&T<br>Total Total T | I am a Principal Engineer at AT&T and have worked in the telecommunications industry for 20+<br>years as 3rd party vendor then carrier. My experience in Software development includes API<br>Monetization, Big Data Analytics, Smart Metering, Broadband Access Network Software, Location<br>Based Service, Fault detection on Electrical Network. The past 5 years, I focused on SDINNFV<br>and Cloud Computing. I have also worked on bringing software into the network, building a<br>scaled, reliable Network Automation platform, ensuring carrier grade requirements can be met.<br>Active member in ONAP since the beginning of the journey in 2017, I was the PTL of the CLAMP<br>project since its inception and a committer of the Policy project.<br>I was also an active member of the ONAP Control Loop Sub-committee before its termination.<br>I like to develop Android mobile applications related to Sport Tracking<br>I also help coach young peoples (Tennis, Mathematics)   | It would be my pleasure to continue to contribute to the ONAP community as a TSC member.<br>I have been a contributor in the ONAP community since its inception and therefore I have a very good knowledge of the history and ecosystem of ONAP.<br>I look forward to the opportunity to work in the TSC to serve the ONAP community and foster an open ecosystem.<br>I will focus on Enterprise task force and more specifically on the SABRES POC which aims to bring innovative solution for Network Slicing Security.   |
|--|---|---|
| Timo Perala<br>Nokia<br>Nokia<br>Attps://lists.onap.org/g/onap-tsc<br>/message/8932  | I'm Head of Open Source Network and Service Automation at Nokia, where I'm responsible for<br>driving Nokia's overall engagement in ONAP. In this role I work across multiple industry<br>organisations, both open source and standardisation, engage with both customers and other<br>industry players, as well as internally across all Nokia businesses.<br>I have over 25 years of experience in network systems, ranging from multivendor interoperability<br>verification, systems architecture research, new business incubation, to network and operations<br>systems standardisation.<br>I've been with ONAP from the very beginning. At ONAP I'm currently Nokia TSC representative,<br>Requirements Subcommittee vice chair, and a DOC project committer. In addition to ONAP, I<br>serve at EMCO and Nephio TSCs.   | I am excited of the opportunity to help ONAP become successful in the industry and<br>to accelerate its adoption. I'm looking forward to making it easier to deploy ONAP or<br>its components as necessary, and for new people to get involved in the ONAP<br>community.<br>Further, I intend to help fostering fruitful industry collaboration between ONAP and<br>other relevant open source communities and standards organisations.   |
| Dong Wang<br>China Telecom<br>blocked URL<br>https://iists.onap.org/g/onap-tsc<br>/message/8934  | Dr. Dong Wang currently works as a research engineer at China Telecom Research Institute (Beijing). The research & development group focuses on the next generation network reconstruction of China Telecom, which is named the target of CTNet2025 whitepaper. Based on SDN/NFV technology, lots of outputs have been achieved by the team in the architecture, orchestration and full-stack solutions of 5GC, SD-WAN and so on.<br>Before joining in China Telecom, he concentrated on his academic research at universities in the UK, where he received an M.Sc. by Research degree in telecommunications and a Ph.D. degree in computing (networks and communications). His research interests are around modeling and optimization of complex communications. His research interests are around modeling and optimization so to complex communications on tetworks. Multiple emerging areas of communication networks have been touched, like 5G and beyond networks, large scale heterogeneous WSNs and IoT. Several academic papers had been published in academic conferences and journals including a top impact factor journal IEEE Transactions on Industrial Informatics. He also has rich experience in academics and industry, he has the potential to make more contributions to the next generation network reconstruction of China Telecom, as well as the development of ONAP. | <ul> <li>Dear ONAP community,</li> <li>I would like to nominate myself as a TSC member of the ONAP community representing China Telecom.</li> <li>I am member of the TSC since March, 2020 and would like to continue in that position in the coming election period.</li> <li>Currently, I focus on the research and development of Intent-based Networking (IBN) in ONAP, which is commented as a major step towards autonomous networks, for operator and enterprise use cases by ONAP Marketing Priorities 2021.</li> <li>Our China Telecom's team has finished the development of IBN functions in multiple releases cooperating with the partners of EZE Slicing and CCVPN usecases from Huawei, Wipro, STL and China Mobile.</li> <li>I also have been invited to give multiple presentations related to the research and development of IBN based on ONAP in the international conferences representing ONAP or China Telecom, including IEEE IBN workshop, Fierce Wireless Network Automation Week and IEEE ICCC.</li> <li>I will continue working on the research and development of IBN with the partners of ONAP to drive ONAP as an advanced automation platform for the next generation smart network.</li> <li>Therefore, I look forward to the opportunity to continue serving in the TSC.</li> <li>Best regards,</li> <li>Dong Wang</li> </ul> |
| Pawel Pawlak<br>F5<br>Interpret of the second seco       | <ul> <li>I'am a Product Manager at F5 for VNFM and NFV solutions. Actively contribute to ONAP from its early beginning. For the last 3 years I am proud to lead the ONAP Security Subcommittee focusing on building awareness among open source community on security and incorporating best practices.</li> <li>I have 20+ experience in the telco industry. For 18 years worked at Orange/TPSA where he was responsible for testing and deploying aggregation and core networks for triple play services, dealing with building skill centers for BRAS/BNG, providing internal professional services in IP and transport domains and most recently creating strategy for operator's IT and network operations convergence.</li> <li>I received Master of Science in Telecommunications from the Warsaw University of Technology. I also hold Executive Master of Business Administration at Kozminski University.</li> </ul>  | <ol> <li>I would like to focus on extending ONAP adoption by:</li> <li>Removing entry barriers (easiness to deploy/operate, onboarding new<br/>members – know-how transfer)</li> <li>Partnering with universities and other organizations to gain more active<br/>contributors</li> <li>Collecting list of existing users – operators, getting their feedback to improve<br/>our product</li> <li>Sharing use cases, best practices among community</li> <li>Leveraging security aspects</li> </ol>   |

| Chaker Al-   |   | Dear ONAP Community,  |
|--|---|---|
| Hakim  |   | This is my self-nomination for a seat on the ONAP TSC. I have been involved with<br>ONAP since day one, and even before that, I was the Senior Director responsible for<br>the development of the ECOMP platform at AT&T before ECOMP was opensourced   |
| Independent<br>Consultant                          |   | and became officially known as ONAP.<br>I am an Independent Consultant focusing on the Opensource Technology, 5G<br>Technology, Cloud Virtualization and future looking technologies.   |
|  |   | I am currently the Chairman of the ONAP Architecture Subcommittee, ARCCOM,<br>and have supported this position for the past 34 years. I have also been an active<br>member of the 5G-super blueprint, LFEdge TAC, ONAP Enterprise Work Group, just<br>to mention a few.   |
| https://iists.onap.org/g/onap-tsc                  |   | Up until 2016 I had spent over 30+ years with AT&T labs where I managed many<br>development organizations responsible for developing large scale systems in<br>support of the Advanced Network Services and customer facing services. I was also<br>a key contributor to the SDN/NFV and the virtualization strategy within the AT&T<br>Labs. To that end, I managed the development<br>organization that developed the ECOMP platform which, along with the Open-O<br>Project, became known as ONAP which, as you all know, provides a comprehensive<br>platform for real-time, policy-driven orchestration and automation of physical and<br>virtual network functions. |
| /message/8939                                      |   | Post 2016, I've held the positions of Technical Director of Virtualization and<br>Opensource Strategy at Huawei and Futurewei   |
|  |   | If I were elected I will continue to support this community as I have in the past 5 years and will collaborate with the rest of the team to further enhance the mainstreaming and the adoption of the ONAP platform.  |
|  |   | Durada  |
|  |   | Regards,  |
| Ram Krishna<br>Verma                               | I am a Senior Solution Architect engaged with Bell Canada for building a Network Service<br>Orchestration & Automation platform primarily based on ONAP architecture principles, utilizing<br>components directly from ONAP mixed with some home grown components.  | I have been engaged with ONAP since beginning, and have been working primarily<br>in the Policy & Control Loop domain. Currently serving as a committer in Policy<br>Framework project as well. Furthermore, I am a strong believer of open-source<br>collaboration and working together across geographies. In fact I am one of those<br>fortunate community member, having the experience of building components from   |
| Bell Canada  | many open source conferences and delivered talks & demos in them as well. My primary interest<br>is towards building policy based control loop automation of telecommunication networks and<br>related devices. So that the future networks can self heal, self optimize and self manage<br>themselves. Has ionity volbished a paper in CNSM 2019 on the same topic.                              | scratch in ONAP Policy Framework and then taking them all the way to production<br>solving realtime use cases. That really motivates me to engage further and always<br>work with "never give up" attitude.   |
|  | Active member of ONAP since beginning, primarily contributing to Policy & Control Loop domain.<br>Also, serving as a committer of Policy Framework project.   | I am also a frequent attendee of LFN ONES & DTF events, presented demos, talks,<br>sessions in many of them. Also, won several community awards - Project Innovation<br>Award, Demo Award, Code Contributor Award.  |
|  | I bring with me a rich telecommunication domain experience working In OSS, BSS & IoT areas.<br>Having the experience of designing & building end to end software systems, which can be highly<br>performant, scalable, resilient & future ready. Mentoring people towards the right goal is one of<br>my greatest passion & I have been lucky enough to receive high accolades in return as well. | I am a Senior Solution Architect engaged with Bell Canada for building a Network<br>Service Orchestration & Automation platform primarily based on ONAP architecture<br>principles, utilizing components directly from ONAP mixed with some home grown<br>components.   |
| e  | I love travelling and exploring new places a lot. And a super foodie person.  | As you might know already, Bell Canada has been using ONAP components in<br>production since quite some time. And we still believe that ONAP has the potential<br>to realize various 5G use cases, control loop automation, network slicing, and many<br>more.  |
| https://lists.onap.org/g/onap-tsc<br>/message/8943 |   | Given a chance, I would like to really work upon the operationalization part of ONAP,<br>thereby making it easier to deploy, upgrade & scale. Along with injecting possibilities<br>for frequent releases to achieve higher adoption. Obviously, I would like to keep<br>highlighting the insights coming from realtime production experience & work with all<br>of you to feed them back into ONAP.  |
| Dan Xu   | I has been contributing in LFN for more than 6 years and acts as the PTL of VNFSDK and CLI<br>projects in ONAP now. Also I used to be PTL of Dovetail Project as well as a member of OVP and<br>CVC which collaborates with ONAP.   | I have rich experience of CI/CD and Container-based servers. Also I am familiar with other projects under LFN. So I can help with the ONAP installation and its CI/CD pipelines. Also I can help with the collaboration with other communities under LFN for ONAP.  |
| Huawei   | My work focused on OVP including developing its backend tool and frontend portal, selecting and<br>integrating test cases, supporting and debugging tests of commercial products et al.   |   |
|  | For the last 2 years, I have been engaged in another community EdgeGallery and established its<br>entire Jenkins-based CI/CD pipelines. I developed the Ansible-based automatically deployment<br>scripts to install k8s and EdgeGallery Platform with helm on k8s.   |   |
|  | This year, I am working in Usecase-UI project in ONAP and designing and developing the Intent<br>based server.  |   |
| https://lists.onap.org/g/onap-tsc<br>/message/8944 |   |   |

| Chuanyu Chen   | I am a Software architect of Huawei Cloudify Network OSDT.   | I would like to nominate myself as a TSC member of the ONAP community<br>representing Huawei Technologies Co., Ltd.  |
|--|--|--|
| Huawei   | I have more than 7 years open source experience working on OPEN-O, ONAP, EdgeGallery<br>Community, mostly focus on Transport Network, 5G, Edge Computing etc.  | I have 14 years network area experience and now is an Open Source Architect in Huawei.   |
| 200  |  | I worked in OPEN-O project and joined ONAP from Amsterdam Release Since the<br>merge of OPEN-O and OPEN-ECOMP and have long term working in ONAP. I<br>positioned as owner for 5G E2E Network Slicing Use Case and CCVPN Use Case<br>during Casablanca ~ Honolulu Release, responsible for the use case solution design<br>and coding work.                      |
|  |  | I think autonomous network feature is very important for ONAP. I start to work on IBN use case and propose a new requirement <u>R11 General Intent Model and General Intent Interface Requirements</u> together with CMCC in Kohn release. I will work continue to work on the autonomous network in ONAP and collaborate ONAP and other standard organizations. |
| https://lists.onap.org/g/onap-tsc<br>/message/8935   |  | I 'm looking forward to have the opportunity to work in TSC to serve the ONAP community.   |
| Keguang He   | I am a software architect at China Mobile Research Institute. I have more than ten years of<br>working experience in the field of telecommunication, and my main efforts are in NFV and SDN<br>technology and solutions, specifically in the E2E scenarios and Intent network solutions. | I have been an active member of the ONAP community since 2019 and mainly<br>participated in E2E Network Slicing use case, Test Topology Auto Design use case<br>and general intent model and general intent interface usecase. I contributed more<br>than 20K lines of code to these use cases.  |
| China Mobile<br>(CMCC)   |  | As PTL of ONAP UUI project, I am also responsible for the daily maintenance of<br>UUI, and ensures that the operation of UUI project meets the requirements of ONAP<br>community.  |
|  |  | If I have the honor to serve as ONAP TSC Member, I will contribute to the<br>collaboration and alignment between ONAP and other relevant open source<br>communities and standards organisations.   |
| - Contraction of the second se |  | I 'm looking forward to the opportunity to work in the TSC to serve the ONAP community.  |
|  |  |  |
| https://lists.onap.org/g/onap-tsc<br>/message/8868   |  |  |
| Cedric Ollivier  | Bio:   | Being part of the ONAP doc team, you may have seen or merged my patches in<br>your project repositories to globally improve our ONAP documentation.  |
| Orange   | - 9.78K commits in LFN   | I have deeply contributed to make our ONAP doc gates more deterministic by cleaning the Jenkins Jobs and by ninning our python dependencies  |
| blocked URL  | ODI TSC member   | As for the ONAP unmaintained project track. I would like to bring, to ONAP TSC, my   |
| https://lists.onap.org/g/onap-tsc  | - Anuket TSC member  | open-source experiences, my software expertises and my motivation.   |
| /message/8880  | First Committee Representative to LFN Board  |  |
|  | - 6 OPNFV awards   |  |
|  | - etc.   |  |
|  |  |  |