Research work (66-talk-Erki) menens cheath cere problem Challenges for healthcare ' Communication System: I region population 1. Lack of integration a Growing heatthcare ast 2. Complenity of technology. d. Lack of workforce 3. Regulation and legislation 4. Chronical and lifestyle disease 5. Pandemics and other threats 4. cost and resource Inefficiency. browing nequinements for communication Technical as Archotecture 1. real of me Comm. 1. Developing sensing finstrument 2. High reliablish and nesilience 2. Novel user Interface 3. AI/M, Rig date, explainability. 3. Interoperability between systems and components Copon Interface Emonuming Analythy EHR exervices Intofee . Resource and energy efficiency. Frenth 5. elastic scalability 6. Security, polyney and Edge DI/ML Cloud
Spring
Virtuali Learning man board virtualitation (3) MZM 7 mile 6. 01. 9 62 5 - 2.4. 4 Notwork Adapthe toro into at any property . 3000 5124 0121 Decentralized gervice Architecture - 61 05 1 02 1 1 20 01 -The secondary Total . Aron . Doll . C. 3300 1130 - 4303 m/3 produce leptes: Lind-lageres for day i formed therein. modern Anaborem .

> 1811 Lago, volt Lorr, out pringstiven in the final of -

3-tier edge cloud architecterne Challenges of scrvice 1. mutudy Conflicting requirements 2. Limited Computational and network resources 2 mobility of modes and Edge port of availability, of serving nodes. Intelligent edge cloud Continuum Local edge made - use of AI/ML for optimizing the computing ordinaum. local edge

post of

the sorvice) AT for edge cloud Tech 2 Head project: Tomohead: Business Finland, 5.4ME 01.01.2025 Edge cloud Reanstruction. Time: 01.01.2023 - 31.12.2025 30.09. 2027. - optimizing end to end communication path - 1.5ME, 2023-2025. - 61.01.2023-30.06.2025 Hola 56 - RF meisurements. -2.1Mb, 2024-2025. - 01.01. 2024 - 28.02. 2025. Future topics: LIM & CoGenAI for 9 digital care partingy. - emergency response - surgical navigation - clinded monitoring,

Dr. Erkki Hazyula

-tenune track professor, cut NS (Network and System)

and the same of the same of the same

- D.SC - 2016

WEALTH = wineless system level architectures for future digital heatherns.

Wine 2 Wineless Medical Communication.

Theme - edge to cloud Continuum

69 plagship stategic Anen 3: Distributed intelligence PI in Ewareby, Tomohead (co-pi), Tech 2 Hearl, Distech 66 As sociate editor in springer whiles network (WINE) journul,

postdoc et cuc-NS (2016-2020) project manages et center for internel excellence (CIE) (2013-2015)

visiting scientist at columbia, university in 2008-2009

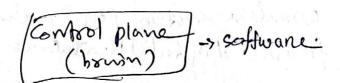
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world between footbedown with Markey Committee in

Ment you a relay

Landing 2 Day of the N to topology to a superior

Date: 09.04.25, paper totle: Delay aware dynamic resource orchestration for Ist-enabled software de fined networks.

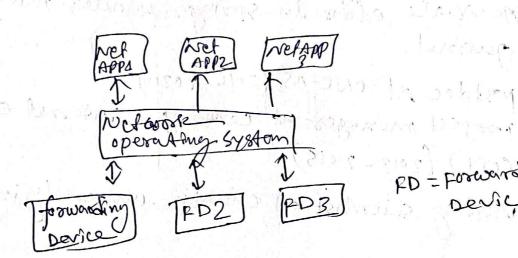


data plane Chardwane fronter, gwitch

Application: openDaylight, onos

Emulator: VSDNBmul, EstiNet, Mininet.

7000



RD = Forwards ng

meion Components

1. Network application

2. App Wention anderface a) JAVA API b) Northbound (RESTCONF)

3. Son controlled control plane

- as rapology service
- b) Inventory service
- C) Startistics Service
- d) Host Tracking

4. southbound Interfere 2) snmp m) openflow 6) OVSDB 9 Net conf 5. Forwarding device/ Data plane oper Afry System Forwarling 1. moniment/moniment-wifi - Netertok emilation 2 eyu/ pox/onos/ openDay light - SON controller 4. python - for controller Logic and APIS 3. openflow 5. wineshard topdame - for packet Analysis 6. Orrafana + Parometheus/ Elk Hack - visualization

of the county

Date: 04.10.25

Title: From Technical prenequisites to improved come
Distributed Edge Af for Tomographic Imaging.

Ellyn was a state of the state of the

Clasm: it improves processing and management data a: what experiment / dotta it provide to backup this clasm.