

Manuscript ID : 00000-61023

International Journal of Computer Engineering and Technology

Volume 5, Issue 4, April 2014, Pages 105-118, Page Count - 14



Source ID : 00000005

## SEAMLESS VIDEO STREAMING USING IMPROVED HANDOVER PREDICTION AND SESSION HANDOVER IN MOBILE NETWORKS

Vidhate Amarsinh <sup>(1)</sup> Devane Satish <sup>(2)</sup>

<sup>(1)</sup> Department of Computer Engineering, Ramrao Adik Institute of Technology, Nerul Navi Mumbai, India.

<sup>(2)</sup> Department of Information technology, Datta Meghe College of Engineering, Airoli, Navi Mumbai, India.

### Abstract

*The application like video streaming on mobile devices has fetched a lot of attention in the last decade. The significant problems like handover latency and lack of buffering are the real culprits in the seamless continuity of video streaming applications targeted on mobile networks. This paper presents a novel framework which considers an efficient handover prediction and IntraDomain/InterDomain session handover as tools to take a charge of video continuity under variable mobility conditions. The results of the simulation study shows that the proposed framework can improve streaming continuity due to accurate handover prediction, proper IntraDomain/InterDomain session handover with the support of session rate prediction.*

### Author Keywords

Video Streaming, Handover Decision, IntraDomain Handover, InterDomain Handover, Session Rate

**ISSN Print:** 0976-6367

**Source Type:** Journals

**Publication Language:** English

**Abbreviated Journal Title:** IJCTET

**Publisher Name:** IAEME Publication

**Major Subject:** Physical Sciences

**Subject area:** Computer Networks and Communications

**ISSN Online:** 0976-6375

**Document Type:** Journal Article

**DOI:**

**Access Type:** Open Access

**Resource Licence:** CC BY-NC

**Subject Area classification:** Computer Science

**Source:** SCOPE DATABASE

### Reference