

Lista publicatii/patente Lupu Cristiana

1. Lucrarea de licenta : "Feature Extraction to Detect Ageing and Degradation of Landmarks Used in Automated Driving Scenarios", UTCN, Facultatea de Automatica si Calculatoare, Sectia Calculatoare Engleza, anul 2022
2. Lucrarea de disertatie : "Studiu Comparativ Pentru Detectia Semnelor de Circulatie Degradate Folosind Tehnici de Procesare de Imagini si Invatare Automata ", UTCN, Facultatea ETTI, anul 2024
3. Patent application U.S.A.: "Method for Detecting a Traffic Junction", US2025131818 AA, PatBase number: 107655824 (Published: April 24, 2025, Application date: Sep 30, 2024)

**Publication number** US20250131818 A1 (original)

**Application number** 18/901,014 (original)

**Title [EN]** METHOD FOR DETECTING A TRAFFIC JUNCTION

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4. Patent application Germany: DE102023210179 A1 (Published: April 24, 2025, Application date: Oct 18, 2023)

**Publication number** DE102023210179 A1 (original)

**Application number** DE102023210179.3 (original)

**Title [DE]** VERFAHREN ZUM DETEKTIEREN EINES STRASSENKNOTENPUNKTS

**Assignee** (prob) ROBERT BOSCH GMBH

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5. Patent application China: CN119845289 A (Published: April 18, 2025, Application date: Oct 17, 2024)

**Publication number** US20250131818 A1 (original)

**Application number** 18/901,014 (original)

**Title [EN]** METHOD FOR DETECTING A TRAFFIC JUNCTION

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**Publication number** CN119845289 A (original)

**Application number** CN202411449608.2 (original)

**Title [EN]** METHOD, APPARATUS, COMPUTER PROGRAM AND STORAGE MEDIUM FOR DETECTING ROAD NODES

**Title [CN]** 用于探测道路结点的方法、装置、计算机程序与存储介质

**Abstract [CN]** 本发明涉及一种用于探测道路结点的方法,包括以下步骤:接收位置数据,该位置数据描述在包括道路结点的道路上行驶的并且驶穿道路结点的机动车辆的对应的位置变化过程;求取位置变化过程对应的弯曲变化过程;求取弯曲变化过程对应的导数,尤其是数值导数,用于获取弯曲变化过程关于对应的位置变化过程的对应的改变;基于弯曲变化过程的分别求取到的导数探测道路结点。本发明还涉及一种装置,一种计算机程序和一种机器可读的存储介质。

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6. Patent application Japan: JP2025071012 A2 (Published: May 02, 2025, Application date: Oct 16, 2024)

**Publication number** JP2025071012 A (original)

**Application number** JP2024180718 (original)

**Title [JP]** 道路分岐点を検出するための方法

**Title [MT]** METHOD FOR DETECTING ROAD FORKS - [PATENTS.COM](https://patents.com)

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7. Lupu Cristiana-Mirela, "FEATURE EXTRACTION TO DETECT DEGRADATION OF ROAD SIGNS USED IN AUTOMATED DRIVING SCENARIOS" – articol publicat la revista Universitatii Tehnice din Cluj-Napoca: **ACTA TECHNICA NAPOCENSIS ELECTRONICA-TELECOMUNICATII (ELECTRONICS AND TELECOMMUNICATIONS)" ISSN 1221-6542, Volume 65, Number 2/2025**

