



Office of International Relations
Indian Institute of Technology
Kharagpur - 721 302

D-4857

REF: 2409/2024/OIR

Dated: 18.11.2024

NOTE

Sub: Approval for the visit of Prof. R. Hamdi from Belgium during 14th – 15th Dec, 2024.

Prof. Rafiq Hamdi from Belgium is scheduled to visit IIT Kharagpur from December 14th to December 15th, 2024 to discuss potential collaboration and deliver a guest lecture.

The faculty coordinator for his visit is Dr. Prashant Anand from the Department of Architecture and Regional Planning (Flag-i). According to the submitted documents, expenses related to their local travel and local hospitality will be covered by the Department funds of ARP. (Flag-ii).

The supporting documents of the visit are enclosed.

This is placed for your kind consideration and approval of the said visit.

Encl.Flag: (i) Filled-up Ministry Clearance Form
(ii) Filled-up Issuance of Visa Form
(iii) Passport copy

Anup K. Roy 18.11.24

Junior IR- Executive

IR-Executive
IR-Executive

Dean, International Relations

Director

J. C. 20/11/2024

INVITATION LETTER

Date: 21.11.2024

To:
Prof. Rafiq Hamdi
Avenue D. Poplimont 43, 1083, Brussels,
Belgium.

Subject: Invitation to visit the Indian Institute of Technology Kharagpur during 14th – 15th Dec, 2024.

Dear Prof. Rafiq Hamdi,

IIT Kharagpur is pleased to invite you to discuss potential collaboration and deliver a guest lecture from 14th to 15th December, 2024.

We have noted your Passport details as follows:

Name: Rafiq Hamdi
Nationality: Bel
Country of present domicile: Belgium
Passport number: GB6860403

Place of Issue: Auderghem
Date of Issue: 13.09.2023
Date of Expiry: 12.09.2030
Date of birth: 08.05.1977

We understand that all expenses related to your local travel and hospitality will be supported by the departmental funds of the Architecture and Regional Planning (ARP) Department, IIT Kharagpur. Dr. Prashant Anand (email: skvarshney@ece.iitkgp.ac.in) from the Department of Architecture and Regional Planning at our institute will serve as the coordinator for your visit. We would be delighted if you could accept our invitation and kindly share your travel plans with Dr. Anand.

I look forward to your positive response. Please feel free to discuss any matters related to your visit with Dr. Anand

With warm regards,

Sincerely,

Rabibrata Mukherjee
21.11.2024,
Dean, International Relations

दू. रबिब्रता मुखर्जी
Dr. Rabibrata Mukherjee
संकायाध्यक्ष, अंतर्राष्ट्रीय संबंध
Dean, International Relation
भारतीय प्रौद्योगिकी संस्थान खड़गपुर
Indian Institute of Technology Kharagpur

CC:
(1) Office of Registrar, IIT Kharagpur
(2) Prof. T.N. Mazumder, HoD-ARP
(3) Dr. Prashant Anand, ARP



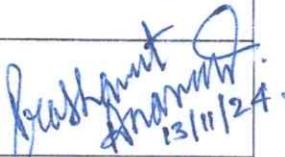
**FORM FOR MINISTRY CLEARANCE
GOVERNMENT OF INDIA
FOR VISIT OF FOREIGN NATIONALS TO
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR, INDIA.**

1	Name :	Rafiq Hamdi
2	Nationality :	Belgium
3	Date of birth :	08th May 1977
4	Place of birth :	Oujda (Morrocco)
5	Number, Date & Place of Issue of Passport :	GB6860403, 13th September 2023, Auderghem,
6	Visa Number (if available)	Not yet
7	Current residential address :	Avenue D. Poplimont 43, 1083, Brussels, Belgium
8	Permanent residential address :	Avenue D. Poplimont 43, 1083, Brussels, Belgium
9.	Profession :	Professor
10.	Place of Employment:	Royal Meteorological Institute of Belgium
11.	Academic Credentials:	Dr. Ir. invited lecturer Ghent university
12.	Purpose of visit:	conference
13.	Period of visit:	14th and 15th December 2024
14.	Email:	Rafiq.hamdi@meteo.be
15.	Day time Phone:	00 32 479 75 41 57
16.	Address of Indian Embassy where you will be applying for your visa:	E-visa
17.	Coordinator of your visit at IITKGP/Dept :	Dr. Prashant Anand, Department of Architecture and Regional Planning, IIT Kharagpur



**Office of International Relations
Indian Institute of Technology
Kharagpur-721302**

Request for issuance of visa invitation letter to foreign citizens

Invitee details	
Name of the visitor:	Rafiq Hamdi
Address and contact details:	Avenue D. Poplimont 43, 1083, Brussels, Belgium
Citizenship:	Belgium
Date of birth:	08th May 1977
Organization:	Royal Meteorological Institute of Belgium
Details of visit	
Host Dept/School/ Centre/ Office:	Department of Architecture and Regional Planning, IIT Kharagpur
Activity to be undertaken at IITKGP:	Guest lecture and collaboration discussion
Intended duration of stay at IITKGP :	2 days (14th and 15th December 2024)
Support provided by IITKGP (local travel, stay, food, honorarium, any other). Please give details of each type of support with funding source and proof:	Local travel and hospitality to be supported by Department Fund - subject to prior approval from DD.
Support provided by any other organization incl. personal resources. Please give details and proof:	Dr. Hamdi will be visiting Bhopal, India, for a GIAN course. Toward the end of his visit, on December 14th and 15th, he will be visiting our institute to discuss potential collaboration and can deliver a guest lecture. His round-trip travel from Belgium to Bhopal is covered by GIAN, but travel to IIT Kharagpur can be covered through personal expenses or appropriate funding as mentioned above.
Invited by	
Name, affiliation and signature of host:	Dr. Prashant Anand, Department of Architecture and Regional Planning, IIT Kharagpur  13/11/24
Recommended by Registrar/ HoD/ HoS/ HoC/ Dean (as appropriate)	Prof. Tarak Nath Mazumder Department of Architecture and Regional Planning, IIT Kharagpur 

Please note: Govt. rules will be followed regarding issuance of visa invitation letters

mail for document required
Send for document required
~ 13.11.24

Date: 11-11-2024

To,

The Head of the Department
Architecture and Regional Planning,
IIT Kharagpur

Sub: Request for Approval of Foreign Faculty Visit for Guest Lecture and Interaction for Potential Collaboration

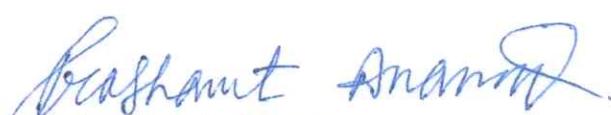
Dear Sir,

Prof. Dr. Ir. Rafiq Hamdi from the Royal Meteorological Institute of Belgium will be visiting Bhopal, India, for a GIAN course. Toward the end of his visit, on the 14th and 15th of December, he is interested in visiting our institute to discuss potential collaboration and is also available to deliver a guest lecture.

In this regard, I kindly request your approval for guesthouse accommodation and local travel arrangements for Prof. Hamdi. Additionally, if possible, I would like to request any available funding to support his local travel and stay for the 14th and 15th of December.

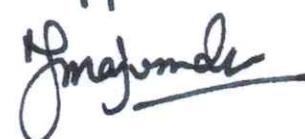
Attached is the CV of Prof. Hamdi and required document for institute approval.

With regards,



Prashant Anand, PhD. NUS Singapore

Assistant Professor
Department of Architecture and Regional Planning
IIT Kharagpur

Approved.


Prof. Dr. ir. RAFIQ HAMDI

Royal Meteorological Institute of Belgium,
Department II: Meteorological and climatological research,
Head of Unit: Climate modelling and Impact studies,
Avenue Circulaire, 3, B-1180 Bruxelles, Belgique

<http://www.meteo.be>

<https://www.researchgate.net/profile/Rafiq-Hamdi>

https://scholar.google.be/citations?hl=en&user=qGfjbMAAAJ&view_op=list Works&sorby=pubdate

Update: September 2024

Civil engineer in meteorology in June 2000 at Météo-France (Toulouse, France). Master Degree (DEA) at Catholic University of Louvain (Belgium) in June 2002, followed by a PhD in 2005 at the Institut d'Astronomie et de géophysique G. Lemaître in the field of urban meteorology. Rafiq Hamdi is working at the research department of the Royal Meteorological Institute of Belgium since December 2005. He is a member of the international consortium ALADIN that develops the atmospheric model ALARO and its land surface scheme called SURFEX, used both for numerical weather prediction and urban climate modeling. He is a member of the international Association for Urban Climate (IAUC) and also a member of the Urban Climate Change Research Network (UCCRN). He is also a member of the expert team on surface processes within the Short-Range Numerical Weather Prediction Programme (SRNWP). Since October 2014, he is guest lecturer (10%) at Ghent university. Since January 2023, he is guest professor (10%) at Xinjiang Institute of Ecology and Geography (Chinese Academy of Science). His main interests are: regional climate modelling, surface modelling, urban meteorology, land use land cover change and the urban climate under global warming and interaction surface/atmosphere. He got funding for 13 projects from different sources (national, European, and China Academy of Science) and he has (co)-authored 110 peer reviewed publications and 21 book chapters (h-index 36, google scholar – 34 Researchgate). During 2019-2020 he was urban climate expert member of the scientific committee for the preparation of the Olympic games 2024 in Paris. He has been a co-promotor of 7 PhDs and 12 master and bachelor students. He is lead author for the IPCC AR6 report published in august 2021. In August 2019 he was contributing author for the latest IPCC special report on climate change and land (SRCCL, 2019). In November 2022, he was lead author of the summary for urban policymakers (SUP) IPCC report.

EDUCATION

2002 – 2005 : PhD in atmospheric sciences. Advisor: Prof. Dr. G. Schayes (UCL/ASTR).
"Numerical study of the atmospheric boundary layer over urban areas: Validations for the cities of Basel and Marseilles". Catholic University of Louvain.

2001 – 2002 : MSc in Sciences. Advisor: Prof. Dr. G. Schayes (UCL/ASTR).
"Urbanisation du modèle TVM". Catholic University of Louvain.

1997 – 2000 : In March 2000, Civil engineer (Ingénieur météorologue de classe 1) delivered by the WMO in Météo-France (Toulouse, France). In July 2000, Civil engineer (Ingénieur de l'Ecole Nationale de la Météorologie) Advisor: Dr. Pierre Durand
"Les méthodes de calculs des flux turbulents à l'interface Océan Atmosphère".

EMPLOYMENT

2023 – 2024: Guest professor Xinjiang institute of Ecology and Geography, Chinese Academy of Science, Urumqi, China

2021 – present: Head of Unit "Climate modelling and Impact studies" at Royal Meteorological

appliquées. Grenoble, France.

8. Promoter and Co-promoter for Master thesis

2009-2010 – Anneleen NIJS, Ghent University.

2010-2011 - Lorraine VALEMBOIS, Haute Ecole Charlemagne, Brussels.

2010-2011 – Matthias De SMIDT, Ghent University.

2011-2012 – Raf HERTOGHS, Ghent University.

2014-2015 – Marlies Decraene, Ghent University.

2014-2015 – Joren Van Gysegem, Ghent University.

2017-2018 – Sara Top, Ghent University.

2021-2022 – Ellen Claeys, Ghent University.

2022-2023 – Amber Jacobs, Ghent University.

9. Promoter for PhD thesis

- Annelies Duerinckx, Ghent University. Title “The potential of an extended Kalman Filter for soil analysis in conjunction with a 3D-Var system in a Limited-Area NWP model. Thesis defended on **9th December 2015**.
- Rozemien de Troch, Ghent University. Title “The application of the ALARO-0 model for regional climate modeling in Belgium: extreme precipitation and unfavorable conditions for the dispersion of air pollutants under present and future climate conditions. Thesis defended on **9th May 2016**.
- Julie Berckmans, Antwerp University. Title “Modelling land-atmosphere interactions: Impact of near future land use and climate change over Western Europe”. Thesis defended on **22th March 2018**.
- Tao Yang, Ghent University. Title “Variation of Snow Resource and its Moisture characteristics in the Tianshan Mountains (Central-Asia). Thesis defended on **12th May 2021**.
- François Duchêne, Ghent University. Title “Using ensemble climate information at local scale: evolution of urban climate and renewable-energy potential under global warming in Belgium”. Thesis defended on **21st June 2023**.
- Fengqi Cui, Ghent University. Title “Modeling land-atmosphere interactions and urban climate in Eastern China”. Thesis defended on **28th June 2023**.
- Wenqiang Zhang, Ghent University. Title “Changes of carbon flux and its driving mechanism in terrestrial ecosystems at the site scale”. Thesis defended on **the 31st May 2024**.

10. Member of Steering Group: LSA-SAF (Land Surface Analysis – Satellite Application Facility) EUMETSAT, 2012 – present.

11. Member of Steering Group: SURFEX (SURface EXternalisée) of Météo-France, 2011 – present.

12. Member of surface expert team C-SRNWP Project: Coordination on Short-Range Numerical Weather Prediction Programme, EUMETNET, 2007 – present.

13. Member of the STAC for the ACCORD consortium 2020 -- present.

14. Member of Scientific Steering committee of the Olympic games 2024 in Paris. 2019-2020

