Geometry conference in honour of Nigel Hitchin

On the occasion of his 80th birthday

Madrid, 21-25 September 2026

ICMAT
INSTITUTO DE CIENCIAS MATEMÁTICAS

Instituto de Ciencias Matemáticas (ICMAT)

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This conference will celebrate the 80th birthday of **Professor Nigel Hitchin** and honour his outstanding contributions to mathematics. The meeting will focus on the many research areas influenced by his work in differential geometry, algebraic geometry, and mathematical physics, where he has opened entirely new research directions.

The event will take place at ICMAT (Madrid, Spain). Lectures will start on the morning of Monday 21st of September and will end on the afternoon of Friday 25th of September.

The **organizing committee** wishes to thank you for your interest and participation in this conference.

Web page: https://www.icmat.es/RT/2026/HNLTT/hitchin80.php

1 Venue

The conference will take place at **Instituto de Ciencias Matemáticas** – ICMAT (Institute for Mathematical Sciences). This is a joint research institute of the Consejo Superior de Investigaciones Científicas – CSIC (Spanish National Research Council) and three Madrid universities: the Universidad Autónoma de Madrid (UAM), the Universidad Carlos III de Madrid, and the Universidad Complutense de Madrid.
ICMAT is in Cantoblanco Universidad, which is the main campus of **UAM**. Its address is: ICMAT, Calle Nicolás Cabrera, number 13–15, 28049 Madrid; telephone +34 91 2999700.
Lectures will take place at **AULA AZUL** ('blue lecture room'), which is equipped with blackboards and beamer projector.

2 Sponsor

ICMAT Severo Ochoa Programme, a research project of the Spanish Ministerio de Ciencia e Innovación.





PID2022-142024NB-I00
CNS2023-145167
Grant CEX2023-001347-S funded by:



3 Conference speakers

Jørgen Ellegaard Andersen (QM, University of Southern Denmark)

Olivier Biquard (Sorbonne Université)

Sergey Cherkis (University of Arizona)

Brian Collier (UC Riverside)

Simon Donaldson (Imperial College London)

Pavel Etingof (MIT)

Mario Garcia-Fernandez (ICMAT–CSIC, Madrid)

Miguel González (ICMAT–CSIC, Madrid)

Peter Gothen (Universidade do Porto)

Tamás Hausel (IST Austria, Vienna)

Jochen Heinloth (University of Duisburg–Essen)

Qiongling Li (Nankai University)

Takuro Mochizuki (Kyoto University)

Ngô Bảo Châu (University of Hong Kong)

Nathaniel Sagman (UNC Chapel Hill)

Laura Schaposnik (University of Illinois Chicago)

Carlos Simpson (Université Côte d'Azur)

Richard Wentworth (University of Maryland)

Shing-Tung Yau (Tsinghua University)

Zhiwei Yun (MIT)

4 Organizing committee

Luis Álvarez-Cónsul (ICMAT–CSIC, Madrid)

Steven Bradlow (Univ. Illinois Urbana-Champaign)

Oscar García-Prada (ICMAT-CSIC, Madrid)

Jacques Hurtubise (McGill Univ.)

5 How to get to the venue from Madrid

5.1 By train

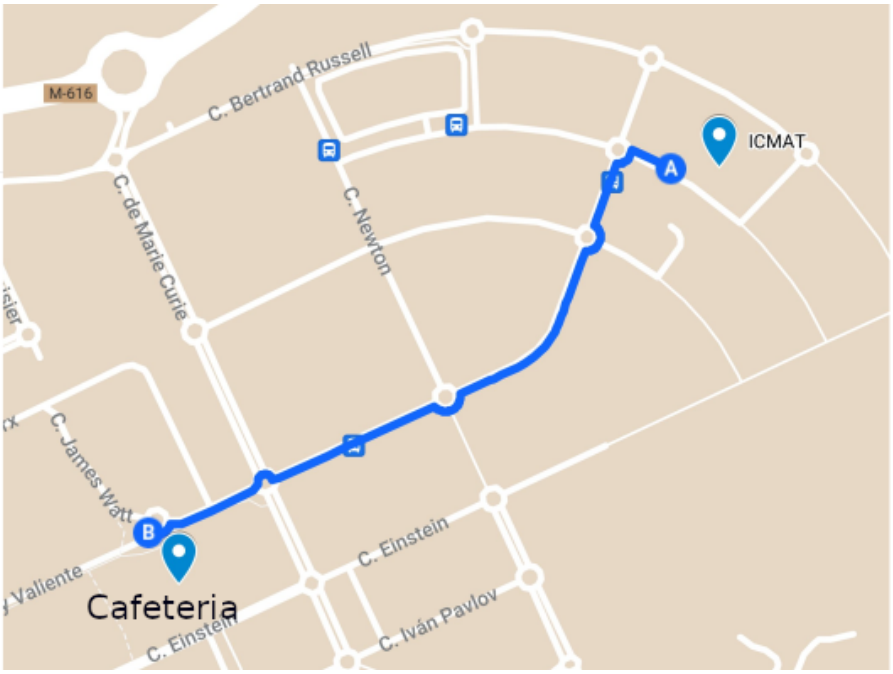
Go to any *RENFE Cercanías* train station in Madrid (Atocha, Nuevos Ministerios, Sol, Recoletos, Chamartín, etc.). Take the *RENFE Cercanías* train C4 line (either **Alcobendas** direction or **Colmenar Viejo** direction). Get off at **Cantoblanco Universidad** train station and go straight ahead Francisco Tomás y Valiente street. The ICMAT is at the end of this street just on the intersection with 13-15 Nicolás Cabrera St.

5.2 By bus

There are several intercity bus lines. You can check schedules corresponding to the different bus lines at the ICMAT website (https://www.icmat.es/how-to-arrive/).
In particular, you can take bus No. 714 from Madrid bus station **Intercambiador Plaza Castilla** to Cantoblanco Campus and get off at **Centro Biotecnología Molecular "Severo Ochoa" bus-stop** (ICMAT is within 5 minutes walking distance from this bus-stop).

6 Registration, meals and social dinner

The standard place and time for registration will be **Monday, 21st September, 9:30–10:30**, at the ICMAT. Registration includes admission to all lectures, the scientific programme, coffee and other refreshments, but does not include lunches, dinners or any other meals, accommodation or travel expenses. There are several cafeterias and restaurants on campus where participants can have lunch during the conference, such as the Restaurante–Cafeteria in **Plaza Mayor UAM**.

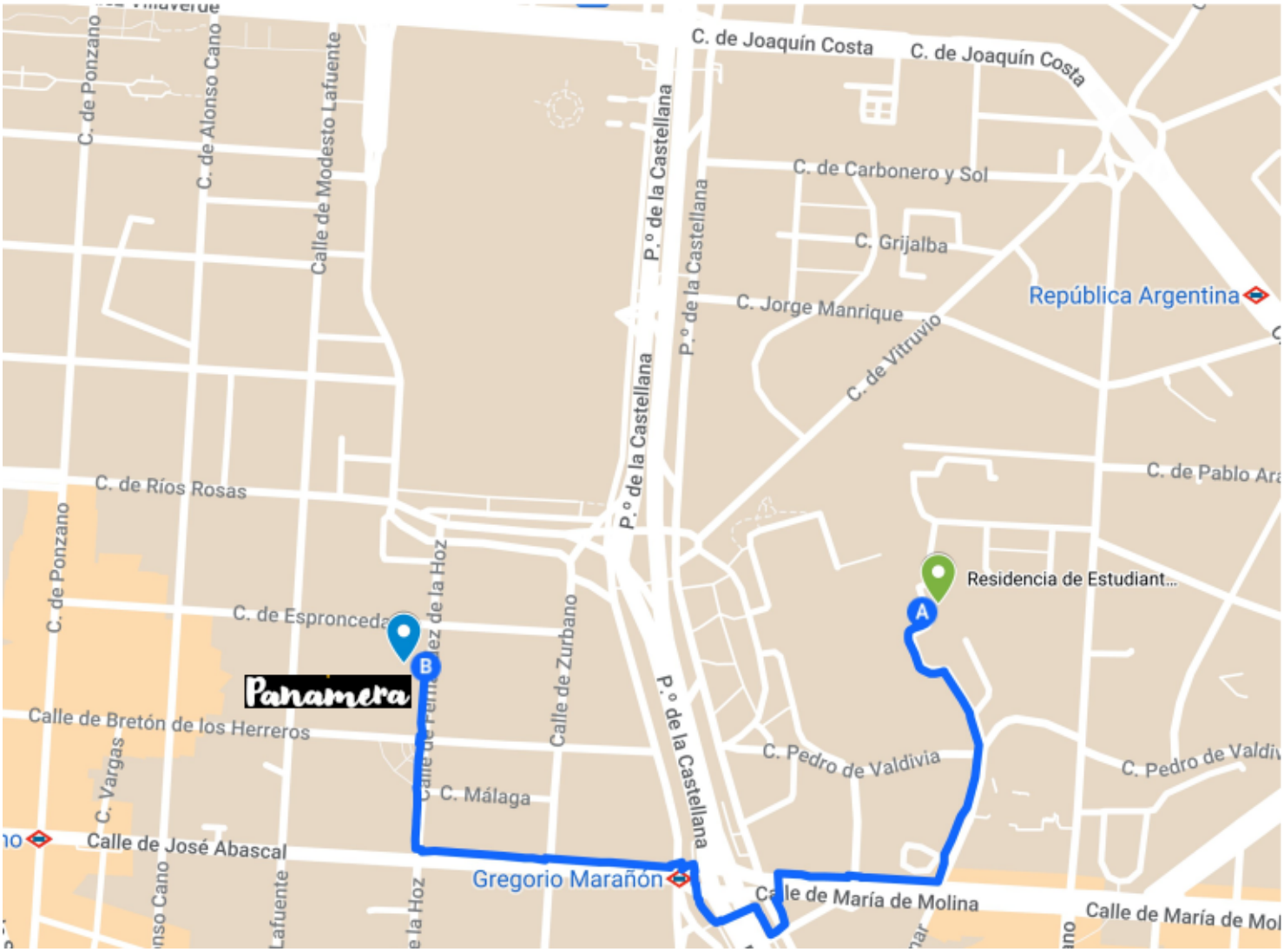


From ICMAT to Restaurante–Cafeteria in UAM Plaza Mayor.

There will be **coffee breaks** for registered participants in the morning and afternoon sessions. A **wine reception** will be served at ICMAT for registered participants at 17:00 on Monday.

The (optional) **social dinner** will take place on **Wednesday 23th September, 20:00**, at **Restaurante Panamera** in Madrid. The price of the social dinner is **€70** per person, payable in cash on arrival at the conference (credit cards and cheques cannot be accepted). The standard place and time for payment will be Monday, 21st September, 9:30, at the registration desk. To confirm your participation and payment, please contact the organizers at the email address `hitchin80@icmat.es`, and specify your preference for the main dish (lamb, fish or vegetarian) and if you have any special diet requirement.
Restaurante Panamera is situated within 15 minutes walking distance of the *Residencia de Estudiantes* (where speakers will be lodged) and 10 minutes walking distance of *Nuevos Ministerios* metro station:

Restaurante Panamera
Address: Calle Fernández de la Hoz, 57 (*57 Fernández de la Hoz St.*), Madrid
Telephone: +34 689271194 / +34 616953494
Web: https://restaurantepanamera.es/



From Residencia de Estudiantes to Restaurante Panamera.

Social dinner: Wednesday at 20:00.

7 Programme

Jørgen Ellegaard Andersen (QM, University of Southern Denmark): *The Hitchin connection in Geometry and Physics*

Olivier Biquard (Sorbonne Université): *Gravitational instantons, old and new*

Sergey Cherkis (University of Arizona): *Gravitational Instantons from Monopoles: the Tesseron Landscape*

Brian Collier (UC Riverside): *Higgs bundles and Isomonodromy*

Simon Donaldson (Imperial College London): *Moduli spaces of maximal sections*

Pavel Etingof (MIT): *Solutions of quantum Hitchin equations and the analytic Langlands correspondence*

Mario Garcia-Fernandez (ICMAT–CSIC, Madrid): *A parabollic flow of coclosed G2-structures with torsion-free fixed points*

Miguel González (ICMAT–CSIC, Madrid): *Classification of very stable Higgs bundles*

Peter Gothen (Universidade do Porto): *The Hitchin-Kobayashi correspondence for twisted Higgs pairs*

Tamás Hausel (IST Austria, Vienna): *From Hitchin systems to quantum groups*

Jochen Heinloth (University of Duisburg–Essen): *From Chains to G-Hodge-bundles*

Qiongling Li (Nankai University): *From cyclic Higgs bundles to Anosov representations*

Takuro Mochizuki (Kyoto University): *Limiting configurations of G-Higgs bundles*

Ngô Bảo Châu (University of Hong Kong): *Kostant adjoint bundle and Cartan 3-form*

Nathaniel Sagman (UNC Chapel Hill): *Complete locally area minimizing surfaces in* $\mathbb{R}^n$

Laura Schaposnik (University of Illinois Chicago): *A Geometer's View of a Changing World*

Carlos Simpson (Université Côte d'Azur): *Current and future directions in the development of Hitchin's moduli spaces*

Richard Wentworth (University of Maryland): *Some results on large energy solutions to Hitchin's equations*

Shing-Tung Yau (Tsinghua University): *The prescribed Hermitian-Yang-Mills tensor equation and applications*

Zhiwei Yun (MIT): *Hitchin moduli spaces for deeper level structures*

8 Schedule

	Monday 21 Sept.	**Tuesday** 22 Sept.	**Wednesday** 23 Sept.	**Thursday** 24 Sept.	**Friday** 25 Sept.
09:30–10:30	Registration	**S.-T. Yau** *(online)*	**O. Biquard**	**Q. Li**	**R. Wentworth**
10:30–10:55	*Coffee*	**S. Donaldson** *(online)*	*Coffee break*	*Coffee break*	*Coffee break*
10:55–11:00	Welcome ICMAT Director				
11:00–11:30	**T. Hausel**		**S. Cherkis**	**T. Mochizuki**	**M. Garcia Fernandez**
11:30–12:00		*Coffee break*			
12:00–13:00	**M. González**	**B. C. Ngô**	**L. Schaposnik**	**N. Sagman**	**C. Simpson**
13:00–14:30	*Lunch break*	*Lunch break*	Free afternoon	*Lunch break*	End of conference
14:30–15:00		**J. Heinloth**		**B. Collier**	
15:00–15:30	**P. Gothen**				
15:30–16:00		*Coffee break*		*Coffee break*	
16:00–17:00	**Z. Yun**	**P. Etingof**		**J. E. Andersen**	
17:00–18:30	Wine reception				
20:00–			Conference dinner		

9 Abstracts

Jørgen Ellegaard Andersen: ***The Hitchin connection in Geometry and Physics***

After having introduced the general geometric quantization setup in which one seeks to construct Hitchin connections, we will recall Hitchin's original construction on the Verlinde bundle over Teichmüller spaces produced by applying geometric quantization to of moduli spaces of flat connections on surfaces. Following this we will generalize the setting to a large class of families of general Kähler manifolds. Finally we will discuss applications in physics, including application to quantum computing.

Olivier Biquard: ***Gravitational instantons, old and new***

Very little has been known for decades on general gravitational instantons in 4 dimensions, but several recent developments give new insight on the subject. I shall review some of these developments.

Sergey Cherkis: ***Gravitational Instantons from Monopoles: the Tesseron Landscape***

Hyperkaehler gravitational instantons (tesserons) of almost every type (ALF, ALG, or ALH) can be realized as moduli spaces of monopoles (on $\mathbb{R}^3$, $\mathbb{R}^2 \times S^1$, or $\mathbb{R} \times S^1 \times S^1$). We attempt to realize all of them as monopole moduli spaces in the process elucidating the structure of the parameter space of all tesserons. After a general overview of the recent progress, we state the remaining open problems and new questions about monopole dynamics that emerge.

Brian Collier: ***Higgs bundles and Isomonodromy***

For a closed oriented surface S of genus at least 2, consider the joint moduli space $\mathcal{M}(G)$ of G-Higgs bundles on S. This is a moduli space of stable G-Higgs bundles on some Riemann surface structure on S; it has a natural action of the mapping class group of S and fibers equivariantly over the Teichmüller space of S. The nonabelian Hodge map from $\mathcal{M}(G)$ to the G-character variety defines a foliation on the joint moduli space called the isomonodromic foliation. The leaves of this foliation consist of all Higgs bundles which map to the same point in the character variety. On the other hand, the (1,1) part of the pull back of the real part of the Atiyah-Bott-Goldman symplectic form defines a closed 2-form on the joint moduli space which is generically nondegenerate and defines a pseudoKähler structure on the joint moduli space. Taking the dimension of the kernel of this form defines a mapping class group invariant stratification of the joint moduli space. In this talk, I will discuss what is known about the intersection of the leaves of the isomonodromic foliation with this stratification.

Simon Donaldson: ***Moduli spaces of maximal sections.***

We will begin by explaining the definition of a "maximal section" of a flat bundle over the complement of a codimension 2 submanifold of an n-dimensional manifold, and the motivation from the study of 7-manifolds with exceptional holonomy, in the case $n = 3$. We will discuss the deformation theory, showing that these are parametrised

by finite dimensional moduli spaces, and a circle of questions motivated by Hitchin's variational formulation for G_2 structures. In the last part of the talk we will outline work in progress with Gorapada Bera which mimics Kovalev's twisted connected sum construction. The building blocks for this involve the case $n = 2$, which leads to a study of certain character varieties on surfaces.

Pavel Etingof: ***Solutions of quantum Hitchin equations and the analytic Langlands correspondence.***

I will review the analytic Langlands correspondence over a local field F studied in my joint work with E. Frenkel and D. Kazhdan (based on previous works by other authors), with a special focus on the archimedian cases $F = \mathbb{R}$ and $F = \mathbb{C}$. In these cases the theory is an analytic incarnation of the geometric Langlands correspondence of Beilinson and Drinfeld. Namely, it studies solutions of the quantum Hitchin system, which are typically not discussed in traditional approaches to geometric Langlands. I will also discuss results on the monodromy of the quantum Hitchin system.

Mario Garcia-Fernandez: ***A parabollic flow of coclosed G2-structures with torsion-free fixed points***

We introduce a geometric flow of conformally coclosed G_2-structures, whose fixed points on a compact manifold correspond to metrics with holonomy contained in the exceptional Lie group G_2. A novelty of our approach is the coupling of the G_2 three-form with a smooth function, which plays the role of the dilaton field in string theory. Our main results establish fundamental short-time existence and Shi-type smoothing properties of this flow. Thus, we establish in the affirmative a folklore question in the special holonomy community, about the existence of a well-posed flow for coclosed G_2-structures with fixed points given by torsion-free G_2-structures. The flow also satisfies a monotonicity formula for the G_2-dilaton functional (volume scale in string theory), which leads to a general result on the convergence of nonsingular solutions. A dimension reduction analysis reveals an interesting link with the 'anomaly flows' for $SU(3)$-structures, previously introduced in the literature by Phong, Picard, and Zhang. Joint work with Andres J. Moreno, Alec Payne, and Jeffrey Streets, in arxiv:2512.14317.

Miguel González: ***Classification of very stable Higgs bundles***

Very stable Higgs bundles were introduced by Hausel and Hitchin with the motivation of identifying well-behaved closed complex Lagrangian subvarieties of the moduli space of Higgs bundles. Indeed, their associated upward flows yield examples of such subvarieties which are moreover invariant under the natural scaling action, serving as tractable testing grounds for mirror symmetry predictions. Furthermore, very stable Higgs bundles provide a tool for the study of the global nilpotent cone and the multiplicities of its components. We present several results centred around the classification of these objects in the moduli space of G-Higgs bundles for any connected semisimple complex algebraic group G. In particular, we explain how the problem can be related to the geometry and combinatorics of torus actions on the affine Grassmannian of G.

Peter Gothen: ***The Hitchin-Kobayashi correspondence for twisted Higgs pairs***

Let G be a real reductive Lie group. The Hitchin-Kobayashi correspondence for G-Higgs bundles on a Riemann surface X provides one half of the celebrated non-abelian Hodge correspondence (the other half being provided by the Corlette-Donaldson Theorem). Motivated by the desire to extend the non-abelian Hodge correspondence correspondence to the case when G is non-connected we consider twisted equivariant G-Higgs bundles for connected G. The twisting data reflects the way a non-connected group arises as an extension of its component group by the identity component. We establish the Hitchin-Kobayashi correspondence for general Higgs pairs in this twisted equivariant setting. The talk is based on joint work with Oscar Garcia-Prada and Ignasi Mundet i Riera.

Tamás Hausel: ***From Hitchin systems to quantum groups***

I will explain how quantum groups and affine Hecke algebras can model the equivariant K-theory of affine Grassmannians and Schubert varieties, and hint at how this could be analogous to the famous Hitchin system. Based on joint works with Jakub Löwit and Shon Ngô.

Jochen Heinloth: ***From Chains to G-Hodge-bundles***

Hitchin's approach to compute topological invariants of moduli spaces of Higgs bundles using localizatzion for the $\mathbb{C}^*$ action worked particularly well for the structure group GL_n, where special properties of the category of chains give a handle on the geometry of the fixed point loci. In an ongoing joint project with Brian Collier and Oscar Grarcia-Prada we found that several of these properties admit group theoretic analogs and I would like to explain some of these and indicate how these help us to study the corresponding moduli spaces.

Qiongling Li: ***From cyclic Higgs bundles to Anosov representations***

Fuchsian representations are characterized as faithful and discrete representations of closed surface groups into $\mathrm{PSL}(2,\mathbb{R})$. More generally, replacing $\mathrm{PSL}(2,\mathbb{R})$ by an arbitrary semisimple Lie group, Anosov representations provide a natural generalization and retain the properties of being discrete and faithful. Apart from certain small deformations or specific components of the character variety, constructing new families of Anosov representations—-particularly those that form closed subsets—-remains a challenging problem. Meanwhile, the nonabelian Hodge correspondence gives a parametrization of the character variety of a surface group into a semisimple Lie group G in terms of holomorphic objects known as Higgs bundles over a Riemann surface. In general, however, it is difficult to determine whether the representation associated with a given Higgs bundle possesses desirable geometric properties. In this talk, I will present several families of cyclic Higgs bundles for which we are able to prove that the corresponding representations are Anosov and thus find new closed families of Anosov representations. This is based on work in progress joint with Samuel Bronstein and Colin Davalo.

Takuro Mochizuki: ***Limiting configurations of G-Higgs bundles***

Let X be a compact Riemann surface and G a semisimple complex Lie group. A G-Higgs bundle on X is a holomorphic principal G-bundle P_G equipped with a holomorphic section θ of the adjoint bundle twisted by the canonical bundle. Under certain assumptions, we obtain a harmonic metric h_t on the G-Higgs bundle $(P_G, t\theta)$ for each $t > 0$. If G is a special linear group and the associated spectral curve is smooth, the family h_t converges exponentially to a singular decoupled harmonic metric h_∞ as $t \to \infty$. Such a limiting metric h_∞ is called the limiting configuration. In this talk, we shall discuss a generalization to cases where G is a general semisimple complex Lie group.

Ngô Bảo Châu: ***Kostant adjoint bundle and Cartan 3-form***

We give a description of the Kostant adjoint bundle over the Chevalley base as an explicit extension of the coordinate ring of the root cover by the Lie algebra of the regular centralizer. Using this description, on can calculate explicitly the Killing form and the Cartan 3-form on the Kostant adjoint bundle. As a by product, we have an explicit description of simple Lie algebra as the stabilizer an explicit 3-form defined over the field of rational functions of the Cartan algebra. This is a joint work with Rajarshi Ghosh.

Nathaniel Sagman: ***Complete locally area minimizing surfaces in*** $\mathbb{R}^n$

A complete immersed surface in $\mathbb{R}^n$ is called (locally) area minimizing if every compact subsurface with smooth boundary (locally) minimizes area among all competitors with the same boundary. Complete locally area minimizing surfaces are highly constrained, prompting Micallef to ask in 1984: is every such surface secretly the image of a holomorphic map into a complex affine subspace (i.e., a copy of $\mathbb{C}^m$) inside $\mathbb{R}^n$? Remarkably, he proved that the answer is yes for parabolic minimal surfaces in $\mathbb{R}^4$, but it turns out that the answer is in general no. Despite the negative answer, Micallef's theorem continues to inspire results of a similar flavour. In this talk, we'll discuss recent developments surrounding Micallef's inquiry, with a focus on a joint work with Thomas-René Thalmaier. One motivation for studying this classical subject comes from the theory of Higgs bundles and minimal surfaces in symmetric spaces; we will briefly explain how these topics lead back to Micallef's question.

Laura Schaposnik: ***A Geometer's View of a Changing World***

How can geometric ideas help us understand the shapes, patterns and collective behaviours we see around us? Beginning with Higgs bundles and the Hitchin fibration, we will explore how imposing symmetries singles out branes and other distinguished geometric structures, and how varying these constraints opens new geometric possibilities. We will then spend most of the talk following geometric ideas into the applied sciences, from the organisation of viral capsids and the growth of snow crystals to the spread of information and interacting pathogens on networks. Along the way, we will encounter biological transport networks and their inspiration for sustainable optimisation, before turning to recent work on influence in evolving networks, synchronisation and fragmentation in social groups, and the stabilising role

of uninformed participants in collective decision making. Throughout, we will ask how structure constrains behaviour, when symmetry helps us understand a system, and what becomes possible when that symmetry is broken.

Carlos Simpson: ***Current and future directions in the development of Hitchin's moduli spaces***

We will take a generalist's look at a sampling of the multiple current directions inspired by Hitchin's equations and moduli spaces, including twistor spaces and their generalizations, P=W, asymptotics at infinity, the relationship with geometric Langlands, o-minimal structures, higher regulators, Kähler thresholds, and the status of some conjectures. We will look at some possible future directions including for example the study of degenerations.

Richard Wentworth: ***Some results on large energy solutions to Hitchin's equations***

The notion of a $\mathbb{Z}/2$ harmonic 1-form (or spinor) was introduced by Taubes, who showed that they appear as limiting objects of the space of flat $\mathrm{SL}(2,\mathbb{C})$ connections on closed 3-manifolds. These generalize limits of Hopf differentials in the case of surface domains. They similarly appear in other gauge theoretic situations that exhibit non-compact phenomena. Understanding their structure is important for defining invariants from these moduli spaces. In this talk, I will discuss the existence of many $\mathbb{Z}/2$ harmonic forms which do not appear as limits. The proof passes through a relationship to equivariant harmonic maps to $\mathbb{R}$-trees, as first suggested by Taubes. This is joint work with Siqi He and Boyu Zhang.

Shing-Tung Yau: ***The prescribed Hermitian-Yang-Mills tensor equation and applications***

In this talk, we present a solution to the prescribed Hermitian-Yang-Mills (HYM) tensor equation on compact complex manifolds. This result constitutes a natural vector bundle analogue of the classical Calabi-Yau theorem. As applications, we derive intrinsic Chern number inequalities for general holomorphic vector bundles and establish an iterative construction of Hermitian-Einstein metrics on stable bundles. This is joint work with Jiaxuan Fan, Mingwei Wang, Zhiyao Xiong and Xiaokui Yang.

Zhiwei Yun: ***Hitchin moduli spaces for deeper level structures***

Hitchin moduli spaces play a pivotal role in the geometric Langlands program, the latter has seen breakthroughs in the unramified case (i.e., without level structures). This leads to a natural "what's next" question, i.e., what do Hitchin moduli spaces with level structures look like, especially levels that are deeper than Iwahori, and how they can be used in the ramified geometric Langlands program. In a seemingly unrelated direction, in a recent paper with Bao Chau Ngo, we proposed a definition of character sheaves on the loop Lie algebra in the spirit of the orbit method. In this talk I will explain how to construct Hitchin moduli spaces with arbitrarily deep level structures by globalizing the construction with Ngo. This is joint work in progress with Bao Chau Ngo..

10 List of participants

1. Román Ahumada Gialanella (UAM Madrid)
2. David Alfaya (UP Comillas Madrid)
3. Pablo Alvarado-Seguel (ICMAT)
4. Luis Álvarez-Cónsul (ICMAT–CSIC)
5. Jørgen Ellegaard Andersen (QM, University of Southern Denmark)
6. Lucía Baena Ligero (UCM Madrid)
7. Oishee Banerjee (Florida SU)
8. Olivier Biquard (Sorbonne Université)
9. Néstor Blázquez (ICMAT)
10. Jean-Pierre Bourguignon (IHÉS)
11. Anis Bousclet (SISSA/ICTP/ULB)
12. Steven Bradlow (Univ. Illinois Urbana-Champaign)
13. Leticia Brambila-Paz (CIMAT Mérida)
14. Juan Cánovas Cúneo (UCM Madrid)
15. Armando Capasso (Univ. Trieste)
16. Marco Castrillón López (UCM Madrid)
17. Sergey Cherkis (University of Arizona)
18. Nitin Chidambaram (UNED Madrid)
19. Brian Collier (UC Riverside)
20. Carlos M. Corona (UPM Madrid)
21. Andoni De Arriba De La Hera (UNED Madrid)
22. Simon Donaldson (Imperial College London)
23. Pavel Etingof (MIT)
24. Hugo Fernandez (UCM Madrid)
25. David Fernández Álvarez (UPM Madrid)
26. Daniel Fox (UPM Madrid)
27. Guillermo Gallego Sanchez (UAM Madrid)
28. Mario Garcia-Fernandez (ICMAT–CSIC, Madrid)
29. Oscar García-Prada (ICMAT–CSIC)
30. Simão José Gaspar dos Santos (IST Lisbon)

31. Alejandro Gil García (SISSA Trieste)
32. Tomás L. Gómez (ICMAT–CSIC)
33. Miguel González (ICMAT–CSIC, Madrid)
34. Raúl González Molina (UPM Madrid)
35. Ángel González Prieto (UCM Madrid)
36. Peter Gothen (University of Porto)
37. Robert Hanson (Imperial C. London)
38. Tamás Hausel (IST Austria, Vienna)
39. Jochen Heinloth (University of Duisburg–Essen)
40. Tim Henke (Univ. Porto)
41. Nigel Hitchin (Oxford)
42. Jacques Hurtubise (McGill Univ.)
43. Marcos Jardim (UNICAMP)
44. Jorge Jiménez Urroz (UPM Madrid)
45. Hisashi Kasuya (Nagoya Univ.)
46. Steven Kerckhoff (Stanford)
47. Marina Logares (UCM Madrid)
48. Jia Choon Lee (USTC China)
49. Qiongling Li (Nankai University)
50. Alfredo Llosa Lazo (ICMAT Madrid)
51. Irene Macías Tarrío (Univ. Barcelona)
52. Matthieu Madera (UAB Barcelona)
53. Jesus Martinez-Garcia (UAM Madrid)
54. Takuro Mochizuki (Kyoto University)
55. Ruxandra Moraru (Univ. Waterloo)
56. Davood Nejaty (University of Duisburg–Essen)
57. Ngô Bảo Châu (University of Hong Kong)
58. André Oliveira (Univ. Porto)
59. Aryaman Patel (Univ. Saarland)
60. Ana Peón-Nieto (Univ. Santiago de Compostela)
61. Rodrigo Pereira (Univ. Porto)

62. Alejandro Plaza Gallán (ICMAT Madrid)
63. Roman Prosanov (UAB Barcelona)
64. Juan Sebastian Numpaque Roa (Univ. Porto)
65. Leonardo Roa-Leguizamon (Unicamp Campinas)
66. Emanuel Roth (Univ. Edinburgh)
67. Diego Ruiz Cases (ICMAT)
68. Nicholas Rungi (Univ. Torino)
69. Nathaniel Sagman (UNC Chapel Hill)
70. Laura Schaposnik (University of Illinois Chicago)
71. Carlos Shahbazi (UNED)
72. Shiyu Shen (ISTA Austria)
73. Pedro Miguel Silva (Univ. Heidelberg)
74. Carlos Simpson (Université Côte d'Azur)
75. Anoop Singh (IIT BHU Varanasi)
76. Peter Smillie (MPI MiS)
77. Lucía Sobral Torres (ICMAT-UCM)
78. Roberto Téllez Domínguez (CEU San Pablo)
79. Manuel Timiraos López (ICMAT Madrid)
80. Jeremy Toulisse (Côte d'Azur Nice)
81. Carlos Valero (ICMAT)
82. Dario Weißmann (ICMAT Madrid)
83. Richard Wentworth (University of Maryland)
84. Shing-Tung Yau (Tsinghua University)
85. Zhiwei Yun (MIT)
86. Alfonso Zamora (UPM Madrid)
87. Hao Zhang (ICMS, Bulgarian Academy of Sciences)
88. Junming Zhang (Nankai Univ.)
89. Yuanbo Zhou (Zhejiang University)

11 Wifi

Internet is available at the venue of the conference using the wireless network **ICMAT** with password **mgvem3488**.

Conference Schedule

	Monday 21 Sept.	**Tuesday** 22 Sept.	**Wednesday** 23 Sept.	**Thursday** 24 Sept.	**Friday** 25 Sept.
09:30–10:30	Registration	**S.-T. Yau** *(online)*	**O. Biquard**	**Q. Li**	**R. Wentworth**
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10:55–11:00	Welcome ICMAT Director				
11:00–11:30	**T. Hausel**		**S. Cherkis**	**T. Mochizuki**	**M. Garcia Fernandez**
11:30–12:00		*Coffee break*			
12:00–13:00	**M. González**	**B. C. Ngô**	**L. Schaposnik**	**N. Sagman**	**C. Simpson**
13:00–14:30	*Lunch break*	*Lunch break*	Free afternoon	*Lunch break*	End of conference
14:30–15:00		**J. Heinloth**		**B. Collier**	
15:00–15:30	**P. Gothen**				
15:30–16:00		*Coffee break*		*Coffee break*	
16:00–17:00	**Z. Yun**	**P. Etingof**		**J. E. Andersen**	
17:00–18:30	Wine reception		Conference dinner		
20:00–					